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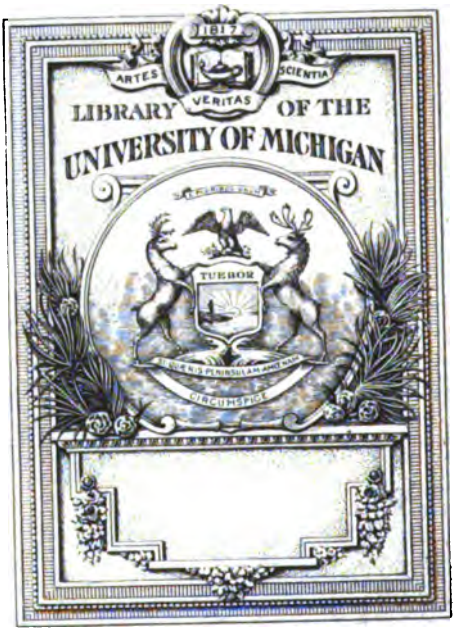
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ANNUAL REPORT

OF THE

PUBLIC WORKS DEPARTMENT

FOR THE

YEAR 1917

COMPLIMENTS OF

THOMAS F. SULLIVAN,

Commissioner of Public Works

PLEASE EXCHANGE

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PRINTING DEPARTMENT
1918

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ANNUAL REPORT

OF THE

PUBLIC WORKS DEPARTMENT

FOR THE

YEAR ENDING JANUARY 31, 1918.

BOSTON, February 1, 1918.

HON. ANDREW J. PETERS,
Mayor of the City of Boston:

SIR,— In compliance with Revised Ordinances, the annual report of the operations and expenses of the Public Works Department for the year ending January 31, 1918, is respectfully submitted. The Public Works Department, created by Ordinances of 1910, chapter 9, now chapter 28 of the Revised Ordinances of 1914, was formed by consolidating the Engineering, Water and Street Departments.

ORGANIZATION.

The work of the department has been carried on during the year with three main divisions, as follows:

Central Office. Bridge and Ferry Division.
Highway Division.

NOTE.— The Boston and Cambridge Division, so called, is not strictly speaking a division of the Public Works Department, as this work is in charge of a commission of two, one member appointed by the Mayor of

Boston and the other by the Mayor of Cambridge, under the provisions of chapter 412 of the Acts of 1904; but because of the fact that the present Commissioner of Public Works is the Boston member of this commission and also because one half of the expenses of this commission is defrayed by the Bridge Service, it is here treated as a division of this department.

APPROPRIATIONS.

The money assigned for the work of the Public Works Department during the year was made available from the following sources:

First.— Maintenance appropriation, derived from the income of the city raised by taxation. In December, 1916, the department estimates of the money necessary for the proper maintenance and conduct of affairs of the different services were submitted to the Mayor. The estimates were made in segregated form to the Mayor, who made such allowance for each item in the budget as he considered necessary and submitted them to the City Council. The total maintenance appropriations as passed by the City Council and approved by the Mayor are shown below. On another page will be found the total expenditures by each service, for each item in the segregated budget:

Central Office	$76,531 63
Bridge Service	331,805 29
Ferry Service	342,348 31
Lighting Service	791,673 36
Paving Service	1,028,339 64
Sanitary Service	1,014,602 48
Street Cleaning and Oiling Service	736,130 90
Sewer Service	374,797 98
Water Service	1,050,516 90
Total	$5,746,746 49

Boston and Cambridge Bridges.*

Second.— Loan inside the debt limit for building new streets assessable on abutting property authorized by chapter 393 of the Acts of 1906. (Paving Service.)

Amount expended during the year	$482,643 56

* Paid by Bridge Service.

Third.— Loan inside the debt limit under the provisions of chapter 426 of the Acts of 1897, as amended by chapter 204 of the Acts of 1908, from which all sewerage works are built, except those in the Charles River Basin watershed. (Sewerage Works — Sewer Service.)

Balance February 1, 1917	$273,038 07
Loan	600,000 00
Total	$873,038 07
Expended during the year	826,307 72
Balance January 31, 1918	$46,730 35

Fourth.— Loan under the provisions of chapter 383 of the Acts of 1903, as amended by chapter 485 of the Acts of 1907, by chapter 514 of the Acts of 1908, by chapter 612 of the Acts of 1911, and by chapter 348 of the Acts of 1912, which provides that the City of Boston shall in the year 1913 expend $400,000 and in each of the next four years shall expend $400,000, to be met by loan inside the debt limit. (Separate Systems of Drainage — Sewer Service.)

Balance February 1, 1917	$74,216 49
Loan	400,000 00
Total	$474,216 49
Expended during the year	413,852 64
Balance January 31, 1918	$60,363 85

Fifth.— Loan inside the debt limit, under the provisions of chapter 312 of the Acts of 1911, for the installation of a High Pressure Fire Service. (Water Service.)

Balance February 1, 1917	$204,975 73
Expended during the year	* 66,928 12
Balance January 31, 1918	$138,047 61

SPECIAL APPROPRIATIONS.

Loan inside the debt limit under the provisions of chapter 661, Acts of 1912, for the widening and laying out of certain streets in Boston. (Paving Service.)

* Total expended to January 31, 1918, $721,952.39.

Expended during the year on:	
Belgrade avenue extension and Beech street widening	$1,373 25
Chelsea street, Charlestown, widening	3,873 89
Hyde Park avenue, widening	4,486 46
Norfolk street, Dorchester, widening	9,689 11
Total	$19,422 71

BROADWAY BRIDGE, BOSTON & ALBANY RAILROAD. (Bridge Service.)

Balance February 1, 1917	$3,840 61
Expended during the year	456 68
Balance January 31, 1918	$3,383 93

BROADWAY BRIDGE, REBUILDING. (Bridge Service.)

Balance February 1, 1917	$7,045 80
Expended during the year	0 00
Balance January 31, 1918	$7,045 80

BROOKLINE AVENUE BRIDGE. (Bridge Service.)

Loan authorized, but not issued, inside debt limit,	$55,000 00
Expended during the year	1,898 13
Balance January 31, 1918	$53,101 87

CAMBRIDGE BRIDGE, PAINTING AND REPAIRING. (Bridge Service.)

Transferred to Bridge Service	$5,317 35
Balance February 1, 1917	5,317 35

CHELSEA BRIDGE SOUTH. (Bridge Service.)

Balance February 1, 1917	$20,031 92
Expended during the year	287 05
Balance January 31, 1918	$19,744 87

GRANITE AVENUE BRIDGE. (Appropriation from Taxes — Bridge Service.)

Appropriation	$2,488 45
Expended during the year	1,911 62
Balance February 1, 1918	$576 83

MALDEN BRIDGE. (Bridge Service.)

Revenue received from Boston Elevated Railway Company	$143,441 18
Expended during the year	143,000 72
Balance January 31, 1918	$440 46

MERIDIAN STREET BRIDGE. (Bridge Service.)

Balance February 1, 1917	$15,152 62
Transferred to other department appropriations,	13,821 64
Balance January 31, 1918	$1,330 98

SPRING STREET BRIDGE. (Bridge Service.)

Balance February 1, 1917	$1,639 42
Revenue	4,000 00
Total	$5,639 42
Expended during the year	3,963 26
Balance January 31, 1918	$1,676 16

WINTHROP BRIDGE. (Bridge Service.)

Balance February 1, 1917	$4,466 56
Expended during the year	0 00
Balance January 31, 1918	$4,466 56

FERRY SERVICE AUXILIARY LIGHTING PLANT. (Ferry Service.)

Balance February 1, 1917	$1,775 00
Transferred to Ferry Service	1,651 95
	$123 05
Expended during the year	123 05

GRANOLITHIC SIDEWALKS. (Paving Service.)

Balance February 1, 1917	$34,653 31
Appropriation from taxes	100,000 00
Total	$134,653 31
Expended during the year	115,861 09
Balance January 31, 1918	$18,792 22

CHARLES STREET, SPRING STREET TO HAMILTON STREET.
(Paving Service.)

Balance February 1, 1917	$10,000 00
Expended during the year	3,047 82
Balance January 31, 1918	$6,952 18

RECONSTRUCTING AND REPAIRING STREETS BY CONTRACT.
(Paving Service.)

Balance, February 1, 1917	$329,862 94
Appropriated from taxes	500,000 00
	$829,862 94
Transferred to Soldiers' Relief Department	82,000 00
	$747,862 94
Expended during the year	575,405 27
Balance January 31, 1918	$172,457 67

REFUSE DESTRUCTOR SITE, SPECTACLE ISLAND.
(Sanitary Service.)

Balance February 1, 1917	$15,000 00
Expended during the year	0 00
Balance January 31, 1918	$15,000 00

REFUSE TRANSFER STATION. (Sanitary Service.)

Balance February 1, 1917	$271 66
Expended during the year	0 00
	$271 66

SERVICE MAINS AND RELAYING MAINS. (Water Service.)

Balance February 1, 1917	$87,146 19
Appropriated from water revenue	35,000 00
	$122,146 19
Expended during the year	97,058 88
Balance January 31, 1918	$25,087 31

STRANDWAY AND OLD HARBOR IMPROVEMENT.
(Bridge Service.)

Balance February 1, 1917	$593,875 58
Expended during the year	234,274 02
Balance January 31, 1918	*$359,601 56

* The cost of sewerage works on this work is charged to the appropriation for Sewerage Works. Cost to January 31, 1918, $239,398.44.

GENERAL REMARKS.

On December 1, 1917, the Sewer and Water Services were separated from the Highway Division and united into the Sewer and Water Division under a division engineer. Otherwise the organization of the department remained as it was during the preceding year.

A brief summary of the activities of the various services follows:

BRIDGE SERVICE.

Malden Bridge.— The work of building a new draw span at this bridge under the supervision of the Bridge Service was completed during the year. This work was made necessary by the construction of the elevated bridge to Malden and the cost was borne by the Boston Elevated Railway Company.

Morton Street Bridge.— Sidewalks were built on this bridge, which removed the possibility of accidents from automobiles crossing the bridge.

Navigation lights have been installed at the bridges on L street and Chelsea street.

The wooden flooring of the bridges on Boylston street, over the Boston & Albany Railroad; Blue Hill avenue, over the Midland Division, and the Prison Point Bridge over Miller's river have been rebuilt.

At Massachusetts Avenue Bridge over the New York, New Haven & Hartford Railroad some of the steel work was found to be in a dangerously corroded condition and work on the fabrication is progressing. At Byron Street Bridge, East Boston, part of the timber supporting the bridge was found to be decayed and is now being replaced. On Jones avenue, Dorchester, a footbridge over the railroad tracks has been built which will prevent accidents to persons crossing the railroad tracks.

FERRY SERVICE.

The piers, headhouses, drops and ferryboats have been repaired during the year. To put the plant in first-class condition extensive repairs are necessary and at least one new boat should be built during the year, three out of the seven boats being in service for thirty or more years.

LIGHTING SERVICE.

New arc and tungsten lamps have been installed in different sections of the city during the past year.

Orders have been given for the installation of boulevard lamps in Maverick square, Central square, Hanover street, Tremont street, from Boylston street to Common street; Washington street, from Court street to Hanover street; Stoughton street, Columbia road and Columbus avenue.

PAVING SERVICE.

Appropriations of $500,000 for reconstructing and repairing streets by contract and $100,000 for granolithic sidewalks were made by the City Council.

The types of paving best adapted for the use to which particular streets are subjected, as adopted in 1916, were followed in constructing and reconstructing streets during the year past. Contracts were made so as to include streets in groups, and it is thought that this method of awarding contracts will be conducive to lower prices and better work. The above applies to permanent pavements only.

Streets in the suburban sections of the city were resurfaced by the department forces with an asphalt or tar binder.

SANITARY SERVICE.

A study has been made of the cost of doing the work now done in the suburban sections by contract with city forces. While the cost will be greater than at present there is no doubt that more efficient service will be given, and the citizens in these districts more satisfied. It is hoped that this system of collection by the department forces will be put into operation this year.

STREET CLEANING SERVICE.

The policy of using pressure flushers for the removal of dirt on paved streets has been continued during the past year with satisfactory results. All macadam streets were oiled at least once during the season.

SEWER SERVICE.

A concrete sewer and surface drain was built in Fruit, North Grove and Blossom streets in extension of the separate system.

In Deerfield street, at Back street, a tide gate chamber for 5-foot 9-inch gates and connection was built in anticipation of Boston marginal conduit.

Circular concrete sewer to replace an old wooden sewer has been built in Webster street, from Orleans street 220 feet easterly.

Pipe and concrete surface drains have been built in Hyde Park and Dana avenues and Folsom street.

Concrete conduit and pipe surface drain was built in North Beacon street, from Market to Cambridge street.

Work on the Spring Street brook was completed this year by the building of a circular concrete conduit in conjunction with pipe sanitary sewer and pipe surface drain.

WATER SERVICE.

About 1,000 feet of 30-inch pipe were laid during the year, completing the High Service pipe in Harrison avenue.

In the Charlestown district 9,000 feet of old pipes were cleaned, with satisfactory results.

The relaying of 3,100 feet of 8-inch with 16-inch pipe in River street, Hyde Park, furnishes a second supply by way of Mattapan to Hyde Park in case the Metropolitan 20-inch pipe in Hyde Park avenue is shut off.

By chapter 269 of the Acts of 1917 the city was relieved of the necessity of equipping with water meters 5 per cent of the Water Service for one year from April 10, 1917.

HIGH PRESSURE FIRE SERVICE.

During the year 1917, 4,400 feet of pipe mains and twenty-nine hydrants, comprising mainly the feeders from the proposed North End pumping station, were added to the piping system. There are now available 209 hydrants supplied from the High Service domestic system and their present value has been demonstrated in actual fire service a number of times. An invitation bid from the Westinghouse Company for the equipment for the station was received, which appeared excessive and was not accepted.

STRANDWAY.

On account of unavoidable delay the work on the Strandway has not been entirely completed, although all the sewerage works consisting of long outlets at various places have been finished.

A contract for the laying of artificial stone sidewalks from the headhouse to K street was awarded during the year and the work is now in progress.

Expenditures Under the Maintenance Appropriation of From February 1, 1917,

GROUP AND ITEM.	Central.	Bridge.	Ferry.
A. PERSONAL SERVICE AS PER SCHEDULE A:			
1. Permanent employees	$69,003 78	$229,034 55	$191,071 12
2. Temporary employees	.....	3,002 97	11,212 41
3. Unassigned	.....	1,472 95	512 50
B. SERVICE OTHER THAN PERSONAL:			
1. Printing and binding	710 99	.....	433 59
2. Postage	257 11	143 36	6 00
3. Advertising and posting	.....	114 25	54 50
4. Transportation of persons	184 85	389 84	57 25
5. Cartage and freight	.....	33 22	260 15
6. Hire of teams and auto trucks	.....	136 31	3,684 15
7. Heat	.....	.....	.....
8. Light and power	.....	8,020 51	4,345 84
9. Lighting streets, alleys and parks	.....	.....	.....
10. Rent, taxes and water	.....	536 93	.....
11. Insurance	.....	.....	.....
12. Premium on surety bond	6 00	.....	80 84
13. Communication	18 60	152 77	212 35
14. Motor vehicle repairs and care	561 55	1,322 97	.....
15. Motorless vehicle repairs	.....	.....	21 20
16. Care of horses	.....	.....	.....
18. Cleaning	.....	13 20	35 00
19. Removal of ashes, dirt and garbage	.....	.....	26 83
20. Disposal of ashes, dirt and garbage	.....	.....	.....
21. Removal of snow	.....	.....	.....
22. Medical	.....	5 00	.....
23. Veterinary	.....	30 00	.....
24. Blacksmith	.....	1,776 44	.....
26. Protective and preventive	.....	.....	.....
27. Testing materials and supplies	.....	.....	.....
28. Expert and architect	.....	.....	.....
29. Stenographic, copying and indexing	.....	.....	.....
32. Towing	.....	.....	140 00
35. Fees, service of venires, etc	22 00	22 00	.....
36. Boiler inspection	.....	10 00	20 00
37. Photographic and blueprinting	4 50	60 80	.....
39. General plant	79 61	34,761 79	28,857 10
40. Harness, etc., repairs	.....	25 00	.....
41. Horseshoeing and clipping	.....	293 76	.....

the Several Services by Items of the Segregated Budget. to January 31, 1918.

Lighting.	Paving.	Sanitary.	Street Cleaning.	Sewer.	Water.	Totals.
$5,508 36	$667,202 83	$448,834 70	$417,957 10	$208,905 64	$531,642 20	$2,769,160 28
.....	.....	.....	.....	.....	.....	14,215 38
459 74	9,135 11	9,919 12	22,590 36	6,951 85	13,906 53	64,948 16
1,365 10	.....	1,000 00	24 12	192 99	.....	3,726 79
20 00	559 15	4 56	.....	295 63	666 72	1,952 53
.....	21 60	34 20	.....	10 00	78 25	312 80
47 70	.....	21 88	55	1,001 78	3,399 63	5,103 48
.....	.....	9 50	347 05	4 90	313 68	968 50
.....	30,812 56	121,042 02	77,968 39	544 45	513 55	234,701 43
.....	.....	.....	.....	102 55	.....	102 55
.....	1,543 63	3,930 95	.....	3,336 31	953 85	22,131 09
742,532 99	.....	.....	.....	.....	.....	742,532 99
.....	2,494 30	1,020 00	4,741 16	1,227 40	1,277 38	11,297 17
.....	.....	.....	.....	193 00	.....	193 00
.....	21 00	6 00	.....	.....	12 50	126 34
.....	1,728 31	799 55	667 96	735 66	1,327 91	5,643 11
70 16	4,634 44	1,994 79	5,554 86	1,203 44	4,491 10	19,833 31
.....	1,389 95	5,738 29	.....	980 23	1,450 96	9,580 63
.....	414 17	1,132 00	.....	.....	.....	1,546 17
.....	142 80	113 00	.....	41,607 95	30 44	41,942 39
.....	.....	169,040 11	.....	132 25	.....	169,199 19
.....	100 85	154,003 43	.....	.....	.....	154,104 28
.....	12,730 44	.....	.....	.....	.....	12,730 44
.....	12 00	12 00	10 50	.....	15 00	54 50
.....	294 00	557 04	288 62	62 00	267 19	1,498 85
.....	1,058 96	6 35	345 70	404 17	.....	3,591 62
.....	.....	.....	.....	63 00	.....	63 00
.....	45 00	.....	95 00	.....	1,544 95	1,684 95
15,920 82	.....	.....	.....	.....	75	15,921 57
4,351 33	.....	.....	.....	.....	.....	4,351 33
.....	.....	.....	.....	800 00	.....	940 00
20 00	581 00	33 00	556 00	53 82	225 25	1,513 07
.....	55 00	.....	.....	12 00	10 00	107 00
.....	72 50	130 00	.....	183 00	88 21	539 01
2,295 58	7,362 38	2,088 79	3,966 96	5,550 09	36,681 42	121,643 72
.....	268 75	.....	314 85	11 00	64 45	684 05
.....	4,806 69	2,962 64	.....	1,305 20	1,766 62	11,134 91

Expenditures Under the Maintenance Appropriation of the

GROUP AND ITEM.	Central.	Bridge.	Ferry.
C. EQUIPMENT:			
2. Machinery	.....	.....	.....
3. Electrical	.....	.....	$15 61
4. Motor vehicles	$408 82	$2,346 32	.....
5. Motorless vehicles	.....	.....	.....
6. Stable	.....	11 68	.....
7. Furniture and fittings	.....	137 07	.....
9. Office	87 08	.....	.....
11. Marine	.....	.....	551 40
13. Tools and instruments	.....	776 38	1,342 30
16. Wearing apparel	.....	11 55	.....
17. General plant	.....	1,783 86	164 25
D. SUPPLIES:			
1. Office	2,244 90	868 64	963 76
2. Food and ice	.....	82 49	49 14
3. Fuel	.....	3,220 18	90,404 04
4. Forage and animal	.....	1,245 22	.....
5. Medical, surgical, laboratory	.....	.....	.....
7. Veterinary	.....	.....	.....
8. Laundry, cleaning, toilet	6 85	61 34	637 54
11. Motor vehicle	369 06	673 48	.....
13. Chemicals and disinfectants	.....	21 55	76 65
16. General plant	.....	1,093 80	3,518 03
E. MATERIALS:			
1. Building	.....	187 86	521 62
2. Highway	.....	.....	.....
3. Bridges	.....	25,702 39	.....
4. Ferries	.....	.....	7,327 72
5. Sewer	.....	.....	.....
6. Water	.....	.....	.....
9. Machinery	.....	482 15	.....
10. Electrical	.....	387 57	415 00
13. General plant	.....	155 22	3 75
F. SPECIAL ITEMS:			
2. Damages	.....	.....	.....
7. Pensions and annuities	.....	5,160 84	8,399 74
11. Workingmen's compensation	.....	540 08	58 79
12. Contracts for construction where money is derived from taxes as per Schedule B	.....	.....	.....
Totals	$73,965 70	$326,308 29	$355,480 17

Several Services by Items of the Segregated Budget.— *Concluded.*

Lighting.	Paving.	Sanitary.	Street Cleaning.	Sewer.	Water.	Totals.
.....	$2,785 00	.....	.....	$3,018 56	.....	$5,803 56
.....	.....	.....	.....	.....	$54 70	70 31
$362 11	1,962 24	$1,220 72	$2,450 44	1,864 56	6,904 08	17,459 57
.....	801 00	.....	1,421 96	153 31	163 94	1,739 21
.....	1,270 23	149 79	1,297 32	93 25	189 90	3,012 17
.....	15 00	4 89	.....	.....	43 00	199 96
.....	100 00	.....	.....	96 75	754 74	1,038 57
.....	.....	.....	.....	.....	.....	551 40
3 44	6,194 23	1,417 90	.....	1,047 86	15,985 01	26,767 12
.....	162 63	28 14	1,517 25	597 08	267 89	2,584 54
.....	91 40	9 35	.....	1,514 50	265 55	4,728 91
112 53	4,820 28	1,279 28	879 80	2,007 84	6,565 89	19,974 52
.....	98 59	67 57	7 49	76 70	4,577 63	4,959 61
.....	9,296 77	2,474 67	.....	59,544 09	4,566 70	169,506 45
.....	25,330 64	52,112 47	47,079 72	4,823 12	9,254 81	139,845 98
.....	.....	.....	.....	2 28	.....	2 28
.....	140 44	278 70	.....	.....	56 10	475 24
.....	193 22	.....	97 18	192 40	91 03	1,279 56
108 38	2,454 85	1,500 32	3,300 78	1,433 78	3,992 44	13,833 09
.....	160 10	114 45	188 00	120 05	10 00	690 80
.....	1,473 50	893 06	1,464 41	2,664 37	4,018 31	15,125 48
1 02	678 09	888 66	27 86	610 86	136 41	3,052 38
.....	213,771 83	.....	57,580 71	.....	.....	271,352 54
.....	.....	.....	.....	.....	.....	25,702 39
.....	.....	.....	.....	.....	.....	7,327 72
.....	.....	.....	.....	4,581 49	.....	4,581 49
.....	.....	.....	.....	.....	272,425 34	272,425 34
.....	.....	.....	.....	.....	.....	48 21
.....	63 78	29 50	.....	299 28	628 68	1,823 81
2 50	6,850 62	17,539 80	9,333 32	769 76	2,297 01	36,951 98
.....	.....	.....	.....	.....	6,691 53	6,691 53
360 00	42,049 76	19,344 65	16,660 83	16,623 96	35,506 30	144,106 08
.....	2,425 71	7,369 15	5,894 01	1,537 14	3,134 85	20,959 73
.....	.....	.....	.....	.....	66,233 02	66,233 02
$773,541 76	$1,071,520 36	$1,031,156 99	$708,457 31	$379,483 30	$1,045,543 65	$5,765,457 53

Expenditures Under the Maintenance Appropriation of From February 1, 1917,

	Central.	Bridge.	Ferry.
Commissioner	$9,000 00		
Division engineers		$3,750 00	$1,250 00
Engineers in charge			
Chief clerk	2,991 56		
Clerks	48,051 53	2,707 84	904 23
Messengers	225 95		
Chief engineer (civil)			
Assistant engineers (civil)		7,550 14	
Draughtsmen		4,398 95	
Instrumentmen		2,903 26	
Rodmen		773 75	
Inspectors	1,495 52	3,785 00	
Foremen			
Subforemen		2,458 00	
Investigator			
Address printer			
Blacksmiths and helpers			
Boilermakers			1,158 50
Blueprinters		962 28	
Boys	423 78	336 00	
Chauffeurs	1,092 00	2,818 44	384 70
Carpenters and helpers		14,387 36	4,935 00
Chief inspectors			
Chemist and assistant			
Claim agent	1,695 20		
Cashiers			1,795 04
Constable			
Coal passers			
Chief engineer (steam)			
Captains			18,538 22
Drawtenders and assistants		157,963 04	
Deckhands			22,319 34
Engineers (steam)			17,443 99
Electricians		1,366 40	1,370 40
Emergencymen			
Firemen			13,004 00
Gatemen (ferry)			14,629 13

the Several Services by Items of the Segregated Budget. to January 31, 1918.

Lighting.	Paving.	Sanitary.	Street Cleaning.	Sewer.	Water.	Totals.
.....	.....	.....	.....	.....	.....	$9,000 00
$832 00	$834 00	$834 00	$832 00	$834 00	$5,567 66	14,733 66
.....	750 00	.....	.....	2,500 00	3,500 00	6,000 00
.....	.....	.....	.....	.....	.....	2,991 56
1,495 52	17,371 73	1,730 32	552 24	3,777 68	51,283 57	127,874 66
.....	935 70	.....	657 96	.....	1,924 74	3,744 35
.....	1,200 00	.....	.....	1,200 00	1,200 00	3,600 00
.....	4,505 63	.....	.....	523 98	10,908 57	14,588 32
.....	427 35	.....	.....	3,724 02	2,317 91	10,868 23
.....	2,164 31	.....	.....	1,562 31	.....	6,629 88
.....	3,854 82	.....	.....	54 21	2,628 20	7,310 98
.....	29,179 04	50,997 12	44,384 33	23,850 80	44,789 46	198,471 27
.....	19,745 44	12,565 28	17,906 02	4,587 34	21,747 18	66,551 26
.....	36,715 43	.....	.....	895 75	.....	40,069 18
.....	.....	.....	.....	1,361 64	.....	1,361 64
.....	.....	.....	.....	.....	292 00	292 00
.....	6,671 25	13,407 72	.....	2,103 00	3,144 29	25,326 26
.....	.....	.....	.....	.....	.....	1,158 50
.....	.....	.....	.....	.....	.....	926 28
.....	934 51	.....	.....	.....	.....	1,694 29
1,092 00	4,258 50	3,179 72	2,072 00	3,003 00	9,747 00	27,647 36
.....	17,264 50	2,744 26	.....	3,510 75	7,359 51	50,201 38
.....	575 40	.....	1,160 34	.....	.....	1,735 74
.....	82 25	.....	.....	.....	.....	82 25
.....	.....	.....	.....	.....	.....	1,695 20
.....	1,490 41	.....	.....	.....	.....	3,285 45
.....	1,396 20	.....	.....	.....	.....	1,396 20
.....	.....	.....	.....	7,214 75	.....	7,214 75
.....	.....	.....	.....	2,094 04	.....	2,094 04
.....	.....	.....	.....	.....	.....	18,538 22
.....	.....	.....	.....	.....	.....	157,963 04
.....	.....	.....	.....	.....	.....	22,319 34
.....	12,856 00	.....	.....	6,969 68	1,330 00	38,599 67
.....	.....	.....	.....	1,356 60	1,435 20	5,528 60
.....	.....	.....	.....	.....	14,047 34	14,047 34
.....	1,550 75	.....	.....	8,694 00	2,180 00	12,424 75
.....	.....	.....	.....	.....	.....	14,629 13

Expenditures Under the Maintenance Appropriation of the

	Central.	Bridge.	Ferry.
General foremen			$2,458 84
Harnessmakers and assistants			
Horseshoers			
Janitors		$936 00	2,266 50
Janitresses			3,502 40
Joiners			3,655 25
Laborers (skilled and unskilled)		6,501 60	9,144 98
Lamplighters			1,728 66
Machinists and helpers		1,217 25	2,442 00
Meter readers			
Meter testers and repairers			
Masons			
Medical inspectors		83 33	83 33
Oilers			34,425 34
Patternmakers			
Pavers			
Plumbers and helpers			
Painters		4,222 13	2,943 27
Pipe fitters			
Pipelayers			
Quartermasters			12,540 37
Roofers			1,213 00
Riggers			1,041 06
Sealers			
Sewer, filth hoist			
Sewer gatemen, cleaners and flushers			
Supervisors	$2,500 00	4,814 28	
Stenographers	1,227 34		
Stonecutters			
Storekeeper			
Superintendent and deputy			
Stockkeepers			996 84
Stablemen		4,230 00	
Tankmen			906 00
Teamsters			
Telephone operator			
Tollmen			14,000 86
Transitmen			

Several Services by Items of the Segregated Budget. — *Continued.*

Lighting.	Paving.	Sanitary.	Street Cleaning.	Sewer.	Water.	Totals.
.....	$1,160 34	.....	$1,795 04	.....	$4,794 20	$10,208 42
.....	.....	$6,541 24	.....	.....	.....	6,541 24
.....	.....	7,602 09	.....	.....	.....	7,602 09
.....	.....	936 00	.....	.....	.....	4,138 50
.....	.....	.....	.....	.....	.....	3,502 40
.....	.....	.....	.....	.....	.....	3,655 25
.....	393,339 47	279,941 84	344,352 07	$39,248 78	186,544 77	1,259,073 51
$1,092 00	.....	.....	.....	.....	.....	2,820 66
.....	.....	.....	.....	5,785 00	8,886 06	18,330 31
.....	.....	.....	.....	.....	28,016 93	28,016 93
.....	.....	.....	.....	.....	8,267 35	8,267 35
.....	.....	.....	.....	12,012 40	1,439 20	13,451 60
.....	499 99	499 98	499 98	166 66	166 66	1,999 93
.....	.....	.....	.....	18,537 75	.....	65,966 99
.....	.....	.....	.....	.....	1,458 33	1,458 33
.....	77,197 64	.....	.....	.....	2,067 00	79,264 64
.....	.....	.....	.....	.....	36,992 87	36,992 87
.....	.....	8,955 74	.....	1,150 00	.....	17,271 14
.....	.....	.....	.....	.....	.....	882 00
.....	.....	.....	.....	.....	17,609 56	17,609 56
.....	.....	.....	.....	.....	.....	12,540 37
.....	.....	.....	.....	.....	.....	1,213 00
.....	.....	.....	.....	141 25	.....	1,182 31
.....	.....	.....	.....	.....	2,028 00	2,028 00
.....	.....	.....	.....	5,449 50	.....	5,449 50
.....	.....	.....	.....	6,874 50	.....	6,874 50
.....	4,512 00	1,745 12	1,745 12	.....	.....	15,316 52
996 84	1,489 55	.....	.....	.....	.....	3,713 73
.....	13,852 12	.....	.....	1,629 89	.....	15,462 01
.....	.....	.....	.....	1,196 52	2,226 05	3,422 57
.....	.....	.....	.....	3,715 25	4,985 76	8,701 01
.....	.....	1,092 00	.....	.....	909 00	2,997 84
.....	.....	26,041 59	.....	3,636 00	4,445 00	38,352 59
.....	.....	.....	.....	.....	.....	906 00
.....	.....	5,259 55	.....	8,258 62	.....	13,518 17
.....	.....	.....	.....	.....	831 00	831 00
.....	.....	.....	.....	.....	.....	14,000 86
.....	.....	.....	.....	.....	3,073 04	3,073 04

Expenditures Under the Maintenance Appropriation of the

	Central.	Bridge.	Ferry.
Veterinarian (chief)			
Watchmen			
Wharfinger			
Weighers			
Wharfmen			
Wheelwrights and helpers			
Yardmaster			
Yardmen			
Permanent	$69,003 78	$229,034 55	$191,071 12
Temporary		3,002 97	11,212 41
Overtime		1,472 95	512 50
Other department work			
Totals	$69,003 78	$234,510 47	$202,796 03

Several Services by Items of the Segregated Budget.— *Concluded.*

Lighting.	Paving.	Sanitary.	Street Cleaning.	Sewer.	Water.	Totals.
.....	$500 00	$1,000 00	$1,000 00	$250 00	$250 00	$3,000 00
.....	.....	9,765 55	.....	13,651 25	1,818 00	25,234 55
.....	.....	3,393 00	.....	.....	.....	3,393 00
.....	936 00	2,682 75	.....	.....	.....	3,618 75
.....	.....	2,955 00	.....	.....	.....	2,955 00
.....	.....	4,962 27	.....	.....	.....	4,962 27
.....	.....	.....	.....	.....	1,795 04	1,795 04
.....	5,141 50	.....	.....	3,584 75	6,974 00	15,700 25
$5,508 36	$667,202 83	$448,834 70	$417,957 10	$208,905 64	$531,642 20	$2,769,160 28
.....	.....	.....	.....	.....	.....	14,215 38
459 74	5,452 57	9,915 12	13,146 39	4,767 75	10,058 84	45,785 86
.....	3,682 54	4 00	9,443 97	2,184 10	3,847 69	19,162 30
$5,968 10	$676,337 94	$458,753 82	$440,547 46	$215,857 49	$545,548 73	$2,848,323 82

Financial Statement of the Public Works Department, Maintenance, February 1, 1917, to January 31, 1918.

DIVISIONS AND SERVICES.	Appropriations, 1917–18.	Transfers to.	Transfers from.	Total Credits.	Expenditures, 1917–18.	Balances, January 31, 1918.
Central Office	$76,531 63	.....	$2,565 93	$73,965 70	$73,965 70	
Bridge Service	331,805 29	$6,464 51	11,961 51	326,308 29	326,308 29	
Ferry Service	342,348 31	13,613 46	471 60	355,490 17	355,480 17	$10 00
Lighting Service	791,673 36	37 50	18,169 10	773,541 76	773,541 76	
Paving Service	1,028,339 64	43,181 72	.....	1,071,521 36	1,071,520 36	1 00
Sanitary Service	1,014,602 48	16,554 51	.....	1,031,156 99	1,031,156 99	
Street Cleaning and Oiling Service	736,130 90	.....	27,673 59	708,457 31	708,457 31	
Sewer Service	374,797 98	4,685 32	.....	379,483 30	379,483 30	
Water Service	1,050,516 90	21,172 29	21,172 29	1,050,516 90	1,045,543 65	4,973 25
Totals	$5,746,746 49	$105,799 31	$82,014 02	$5,770,441 78	$5,765,457 53	$4,984 25

NOTE.— See forward pages for items of expenditures on segregated appropriation.

The expenditures under the several appropriations for the year 1917–18 were as follows:

DIVISIONS AND SERVICES.	Current Expenses.	Special Appropriations.	Total Expenditures.	Balances, January 31, 1918.
Central Office	$73,965 70	.....	$73,965 70	
Bridge Service	326,308 29	$151,517 46	477,825 75	$91,767 46
Ferry Service	355,480 17	123 05	355,603 22	10 00
Lighting Service	773,541 76	.....	773,541 76	
Paving Service	1,071,520 36	1,196,244 67	2,267,765 03	198,203 07
Sanitary Service	1,031,156 99	.....	1,031,156 99	15,271 66
Street Cleaning and Oiling Service	708,457 31	.....	708,457 31	
Sewer Service	379,483 30	1,240,160 36	1,619,643 66	107,094 20
Water Service	1,045,543 65	97,058 88	1,142,602 53	30,060 56
High Pressure Fire Service	.....	66,928 12	66,928 12	* 138,047 61
Strandway and Old Harbor Improvement	.....	234,274 02	234,274 02	359,601 56
Totals	$5,765,457 53	$2,986,306 56	$8,751,764 09	$940,056 12

* Loan of $140,000 authorized but not issued.

Comparative Table Showing Cost of Maintenance of the * Street Department and Public Works Department Since 1908.

DIVISION AND SERVICE.	1908–09.	1909–10.	1910–11.	1911–12.	1912–13.	1913–14.	1914–15.	1915–16.	1916–17.	1917–18.
Central Office	.....	$22,518 63	$23,627 76	$72,943 26	$77,515 65	$80,159 50	$74,592 01	$70,618 59	$74,206 04	$73,965 70
Bridge Service	$180,273 01	198,852 71	201,995 00	274,876 76	268,959 44	271,423 04	283,066 41	269,283 23	277,847 65	305,144 31
Boston and Cambridge Bridges	18,524 29	18,464 72	22,006 57	21,055 26	17,183 87	17,744 48	18,645 52	17,765 44	18,945 39	21,163 98
Ferry Service	249,068 39	222,101 10	235,920 63	247,628 07	269,016 52	277,727 39	293,671 43	277,048 47	303,917 18	355,480 17
Lighting Service	809,510 06	719,574 91	710,294 84	726,967 18	768,779 08	795,880 53	753,811 73	739,599 62	772,769 97	773,541 76
Paving Service	775,838 06	1,089,247 94	1,178,546 90	1,162,660 29	1,236,686 29	1,361,082 17	1,223,364 69	1,029,374 44	802,150 73	949,803 41
Removal of snow	58,143 37	131,357 56	112,623 21	124,961 68	106,691 07	64,007 49	165,105 19	131,142 57	303,570 39	203,210 45
Sanitary Service	745,200 90	637,255 93	723,249 64	730,292 62	790,809 01	925,318 56	1,017,452 66	1,042,315 00	969,438 86	1,031,156 99
Sewer Service	351,162 41	301,145 94	312,541 05	325,508 86	378,873 18	387,120 67	362,672 07	339,446 62	322,199 03	379,483 30
Street Cleaning Service	419,275 91	353,550 33	370,602 81	408,571 72	454,623 71	492,324 45	472,730 69	489,959 90	428,899 28	516,475 67
Street Watering and Oiling Service	154,679 90	170,728 75	160,543 93	163,036 26	198,993 93	228,511 50	174,312 00	139,744 97	121,450 68	110,488 14
Water Service	.....	.....	.....	822,377 46	835,072 00	899,338 91	894,170 14	904,135 19	917,823 64	1,045,543 65
Totals	$3,761,676 30	$3,864,798 52	$4,051,952 34	$5,080,879 42	$5,403,203 75	$5,800,638 69	$5,733,594 54	$5,450,434 30	$5,313,218 84	$5,765,457 53

* Engineering and Water Departments were consolidated into the Public Works Department February 1, 1911.

REVENUE.

Collected by City Collector on Account of the Public Works Department (Maintenance Account) and Credited to General Revenue, as per Collector.

Bridge Service:		
Town of Milton on account of Granite Avenue Bridge	$41 68	
Malden Bridge	143,441 18	
Spring Street Bridge	4,000 00	
Sale of old materials	124 29	
Labor and materials for repairs	103 20	
Rent	1,264 99	
		$148,975 34
Ferry Service:		
Tolls	$91,198 32	
Headhouse privileges	500 00	
Rents	514 03	
Sale of old material	84 35	
Commission on telephone stations,	70 83	
Cleaning telephone booths	48 00	
Free use of ferries, July 4	1 00	
		92,416 53
Lighting Service:		
Lighting Cambridge bridges		2,678 77
Paving Service:		
Permits	$20,463 59	
Excess charges	48 35	
Assessments on abutters for edgestones and sidewalks	9,296 95	
Labor and materials furnished	4,149 33	
Services of inspectors	5,085 00	
Labor and materials furnished on street openings	1,976 48	
Sale of old material	2,431 72	
Rent	90 00	
		43,541 42
Sanitary Service:		
Sale of tickets for collection of commercial waste	$57,577 94	
Sale of manure (all services)	992 21	
Sale of old material	207 06	
		58,777 21
Street Cleaning Service:		
Removal of snow	$3 15	
Rent of stable	700 00	
Sale of material	2 76	
		705 91
Carried forward		$347,095 18

Brought forward		$347,095 18
Sewer Service:		
Disposal of sewage	$7,407 52	
Entrance fees	2,065 66	
Labor and material furnished	737 08	
Sale of old materials	683 72	
Sewer assessments, Hyde Park	107 60	
Inspectors' services	228 35	
Sewer assessments	33 75	
Rent	10 00	
		11,273 68
Water Service:		
Water rates	$2,872,867 89	
Labor and materials, service pipes,	26,619 16	
Labor and materials, elevator and fire pipes	34,002 74	
Fees for summonses, overdue rates	4,597 63	
Labor and materials furnished, repairs	8,634 34	
Sale of materials	921 73	
Interest on bank deposits	807 48	
Sale of old material	2,268 10	
Off and on for nonpayment	664 00	
Repairs to automobile	43 37	
Testing meters	42 25	
Sale of building and machinery	336 30	
Extension of main pipes	70 00	
Rent of conduit	200 00	
Repairs to motor pipe	13 78	
Miscellaneous	2 87	
		2,952,091 64
		$3,310,460 50

CONTRACTS MADE BY PUBLIC WORKS DEPARTMENT, FROM FEBRUARY 1, 1917, to JANUARY 31, 1918.

Hired Team Contracts, from February 1, 1917, to January 31, 1918.

DISTRICT.	Awarded to	Single, per Day.	Double, per Day.	Extra Men, per Day.	Auto Trucks, per Day.	Paving Service.	Sanitary Service.	Sewer Service.	Street Cleaning Service.	Total.
No. 1, South Boston and Dorchester North,[3]	Jeremiah J. McCarthy Company.	$4 00	$4 00	$3 00	$30 00	$6,523 00	$4,328 50	.....	$323 25	$11,174 75
No. 2, East Boston and Breed's Island [1]	Edward J. McHugh, Jr.	2 25	5 00	2 00	16 00	2,052 50	.....	$10 00	.....	2,062 50
No. 3, Charlestown [2]	Northern Construction Company.	4 00	4 25	3 00	35 00	.....	5,705 18	.....	2,423 50	8,128 68
No. 4, Brighton [1]	George H. Noone	2 90	5 50	2 50	.....	3,542 60	.....	.....	.....	3,542 60
No. 5, West Roxbury [2]	M. McGinnis & Co.	1 89	5 00	2 75	25 00	4,753 54	12,267 10	75 00	1,206 75	18,302 39
Nos. 6–9, Dorchester and Ashmont [1]	John D. Lyons	3 25	5 15	2 50	25 00	4,944 32	.....	90 13	.....	5,034 45
No. 7, Roxbury South and Jamaica Plain [4]	Charles J. Jacobs Company.	2 90	4 90	2 75	25 00	1,358 11	8,363 72	.....	597 08	10,318 91
No. 8, South End and Roxbury North [1]	Northern Construction Company.	2 50	5 00	3 00	35 00	6,547 50	50,056 82	.....	8,278 38	64,882 70
No. 10, North and West Ends and Back Bay,[1]	Northern Construction Company.	4 00	4 00	3 00	35 00	2,760 75	18,882 11	.....	22,115 38	43,758 24
No. 11, Hyde Park [1]	Thomas H. Corrigan	2 75	5 25	3 00	15 00					

[1] Advertised and awarded to lowest bidder.
[2] Advertised and awarded to lowest bidder for doubles, second lowest for singles.
[3] Advertised and awarded to lowest bidder for singles, second lowest for doubles.
[4] Advertised and awarded to lowest bidder for singles, third lowest for doubles.

BRIDGE AND FERRY DIVISION.— BRIDGE SERVICE.

Bridge Work.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1] Furnishing and installing posts, brackets and trolley for navigation lights, L Street and Chelsea Street Bridges.	R. & S. Machine Company....	April 9, 1917.	Completed May 18, 1917...	$443 00	$443 00
[1] Installing navigation lights, L Street and Chelsea Street Bridges.	Carlisle-Connor Company.....	April 9, 1917.	Unfinished.....	1,214 00	1,044 65
[1] Furnishing and installing latch on Dover Street Drawbridge, city proper.	R. & S. Machine Company....	May 3, 1917.	Completed Sept. 12, 1917...	738 00	927 00
[1] Rebuilding Brookline Avenue Bridge, over the Boston & Albany Railroad, Roxbury.	Michael Meehan.....	May 7, 1917.	Unfinished.....	46,364 00	Nothing.
[1] Repairing fender piers, Chelsea Bridge North, Congress Street Bridge, Northern Avenue Bridge, Summer Street Bridge, over Fort Point channel, Summer Street Bridge, over Reserved channel.	W. H. Ellis & Son Company...	May 8, 1917.	Completed Aug. 7, 1917....	3,580 00	$4,695 96
[1, 2] Artificial stone walls, steps and walks, Dana avenue footway, from Dana avenue to Easton avenue, Hyde Park.	James Doherty.....	May 29, 1917.	Completed Oct. 20, 1917...	2,750 00	2,750 00
[1, 2] Building Jones Avenue Footbridge, Dorchester.....	Goff & Wells Construction Company.	June 11, 1917.	Completed Oct. 8, 1917....	8,100 00	8,231 00
[1] Planking Boylston Street Bridge, over the Boston & Albany Railroad, city proper.	Goff & Wells Construction Company.	June 26, 1917.	Completed July 26, 1917..	3,490 00	3,852 44
[1] Furnishing and erecting floor beams, Massachusetts Avenue Bridge, over New York, New Haven & Hartford Railroad Bridge, city proper.	Daniel Marr & Son Company..	June 28, 1917.	Completed Sept. 4, 1917....	2,027 00	1,902 00
[1] Planking Blue Hill Avenue Bridge, over New York, New Haven & Hartford Railroad, Dorchester.	John B. Dolan.....	July 19, 1917.	Completed Sept. 27, 1917...	7,111 00	7,175 56
[3] Repairing Byron Street Bridge, East Boston.....	M. S. Kelliher.....	July 21, 1917.	Completed Aug. 28, 1917...	715 00	715 00
[1, 4] Planking the floor of Prison Point Drawbridge, over Miller's river and Boston & Maine Railroad, between Boston and Cambridge.	W. H. Ellis & Son Company...	July 31, 1917.	Completed Sept. 6, 1917....	3,670 00	3,518 48
[1] Building wooden sidewalks, Walworth Street Bridge, over New York, New Haven & Hartford Railroad, West Roxbury.	Goff & Wells Construction Company.	Oct. 5, 1917.	Completed Oct. 24, 1917...	1,125 00	1,125 00
[1, 4] Building iron fences, Prison Point Drawbridge, over Miller's river and Boston & Maine Railroad, between Boston and Cambridge.	Boston Structural Steel Company.	Oct. 27, 1917.	Unfinished.....	1,870 00	Nothing.
[1] Furnishing and erecting new material for strengthening floor beams of Summer Street Bridge, over Fort Point channel.	Boston Structural Steel Company.	Jan. 24, 1918.	Unfinished.....	1,649 00	Nothing.

[1] Advertised and awarded to lowest bidder.
[2] Work done under chapter 393, Acts of 1906.
[3] Only bid; not advertised.
[4] One half the cost to be paid by the city of Cambridge.

BRIDGE AND FERRY DIVISION.— FERRY SERVICE.

Ferry Work.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1] Teaming coal from coal pockets, North and South Ferries, East Boston side, and delivering same to ferryboats.	Edward J. McHugh, Jr.....	Feb. 6, 1917.	Completed Jan. 31, 1918...	30 cents ton. (2,000 lbs.)	$3,637 65
[1] Repairing eight bronze propeller blades on screw ferryboats.	I. Young & Co.....	Feb. 15, 1917.	Completed March 23, 1917..	$680 00	680 00
[2, 3] Weighing and vending machines in ferry headhouses,	Edward E. Adams.....	Feb. 15, 1917.	Completed Jan. 31, 1918...	500 00	500 00
[1] Furnishing and installing ventilating systems on ferryboats "Hugh O'Brien," "D. D. Kelly," "General Hancock," "Noddle Island," "Governor Russell" and "General Sumner."	Joseph A. Nelson.....	May 31, 1917.	Unfinished.....	3,770 00	801 12
[1] Repairing piers, Boston and East Boston landings of the North and South Ferries.	W. S. Rendle.....	June 26, 1917.	Unfinished.....	7,144 50	4,392 54
[1] Repairing six bronze propeller blades for screw ferryboats.	I. Young & Co.....	Jan. 19, 1918.	Unfinished.....	685 00	Nothing.
[1] Redecking and repairing ferryboat "D. D. Kelly"..	Boston Shipbuilding Company.	Jan. 12, 1918.	Unfinished.....	8,900 00	Nothing.

[1] Advertised and awarded to lowest bidder. [2] Advertised and awarded to highest bidder. [3] Paid to city.

STRANDWAY AND OLD HARBOR IMPROVEMENT.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1] Furnishing and installing flushing gates, complete with hoisting mechanism.	Gibby Foundry Company.....	Feb. 15, 1917.	Unfinished.....	$3,600 00	Nothing.
[2] Architect's services, bath house.....	Harrison H. Atwood.....	June 30, 1917.	Unfinished.....	*	Nothing.
[1] Artificial stone sidewalks in Strandway, from headhouse at Marine Park to a point opposite Mosquito Fleet Yacht Club, South Boston.	James L. Pierce.....	Oct. 13, 1917.	Unfinished.....	13,668 00	$3,911 22

[1] Advertised and awarded to lowest bidder. [2] Only bid, not advertised. * 6 per cent on cost of all work.

Contract in Force, Made in 1916.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1] Dredging, filling, sewerage works, grading, etc., for Strandway and Old Harbor improvement, South Boston.	New York State Dredging Corporation.	Dec. 8, 1916.	Unfinished.....	$803,180 00	$510,259 59

[1] Advertised and awarded to lowest bidder.

HIGHWAY DIVISION.— LIGHTING SERVICE.

Contracts in Force Made in Previous Years.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1], [3], [4], [5] Furnishing gas for street lighting purposes for a period of ten years from April 1, 1914, until March 31, 1924, inclusive.	Boston Consolidated Gas Company....	March 19, 1914.	Unfinished.....	.....	$197,088 93
[1], [3], [4], [5], [6] Lighting the streets, parks and alleys (except streets in Charlestown and Hyde Park) with gas for a period of ten years from April 1, 1914, until March 31, 1924, inclusive.	Boston Consolidated Gas Company....	March 19, 1914.	Unfinished.....	.....	
[1], [2], [7] Lighting the streets, parks and alleys with electricity (except streets in Charlestown and including Charlestown if said company shall purchase the electric distribution system located therein) for a period of ten years, from December 7, 1914, until December 6, 1924, inclusive.	The Edison Electric Illuminating Co...	Dec. 7, 1914.	Unfinished.....	.....	511,033 30

[1] Only bid; not advertised.

[2] $32,652.66 paid to city, this amount representing what the city has been charged in excess of what it would have to pay for the period from July 1, 1914, to December 6, 1914, inclusive, had the prices named in schedule E of the new contract with a 10 per cent discount been in effect from July 1, 1914.

[3] Agreement made July 21, 1914, that prices for gas lamps outside of contract be as follows: Triple burner lamps, per annum, $45; fire alarm signal lamps, $21.

[4] Annual rates paid for gas lamps.

Single burner:		Double burner:	
For gas	$9	For gas	$18
For lighting and care	12	For lighting and care	15
Total	$21	Total	$33

[5] Contracts may be terminated on April 1, 1919, if City Council votes and Mayor approves.

[6] If rate to regular consumers is reduced to a price less than 80 cents per M., a rebate will be made to the city at the rate of 12 cents per lamp per year for each 1 cent the price is so reduced below 80 cents per M.

[7] Lighting rates for the electric lamps are as follows:

DESCRIPTION OF LAMP.	Fixed Costs per Lamp per Year.	Running Costs per Lamp Hour.	DESCRIPTION OF LAMP.	Fixed Costs per Lamp per Year.	Running Costs per Lamp Hour.
40 candle power Inc. lamp	$10 80	11/100 cent	320 candle power Inc. lamp	$36 00	1 3/10 cents
60 candle power Inc. lamp	12 00	2/10 cent	400 candle power Inc. lamp	42 00	1 7/10 cents
80 candle power Inc. lamp	14 00	4/10 cent	425 watt A. C. arc lamp	36 00	1 1/10 cents
100 candle power Inc. lamp	18 00	4/10 cent	800 candle power Magnetite 500 watt D. C. arc lamp	36 00	1 4/10 cents
200 candle power Inc. lamp	25 00	1 cent	1,600 candle power Theran 500 watt D. C. arc lamp	42 00	3 4/10 cents

A discount of 10 per cent is allowed from above rates.
A deduction at the rate of 1 cent per hour for lamps of 100 candle power or less and 5 cents per hour for all other lamps is allowed for all outages.

For further detail, see report of Lighting Service.

HIGHWAY DIVISION.— PAVING SERVICE.

Artificial Stone Sidewalks, Rebate.*

CONTRACTOR.	Dated.	Contract Completed.	Price per Square Foot.	Amount Paid in Rebate in 1917.
William J. Rafferty & Co	March 19, 1917	January 31, 1918	$0 06	$86 40
Charles J. Jacobs Company	March 22, 1917	January 31, 1918	06	393 19
Joseph A. Singarella	March 26, 1917	January 31, 1918	06	Nothing.
W. A. Murtfeldt Company	March 30, 1917	January 31, 1918	06	$1,537 33
Jeremiah J. Sullivan	March 31, 1917	January 31, 1918	06	1,376 31
C. W. Dolloff & Co	April 5, 1917	January 31, 1918	06	Nothing.
Frank P. Rossano	April 9, 1917	January 31, 1918	06	$461 34
Thomas J. Hind	April 12, 1917	January 31, 1918	06	539 62
Connolly & Diamond	April 12, 1917	January 31, 1918	06	220 92
John Varnerin	April 20, 1917	January 31, 1918	06	Nothing.
John Landis	April 20, 1917	January 31, 1918	06	$901 49
Hervey F. Armington	April 25, 1917	January 31, 1918	06	287 52
George M. Crowell Company	April 27, 1917	January 31, 1918	06	365 58
D. M. Biggs & Co	April 27, 1917	January 31, 1918	06	Nothing.
Fleischmann Construction Company	May 3, 1917	January 31, 1918	06	$18 24
John McCourt Company	May 3, 1917	January 31, 1918	06	171 24
Joseph Rugo	May 7, 1917	January 31, 1918	06	76 20

Martino DeMatteo	May 7, 1917	January 31, 1918	06	316 88
W. J. Grosvenor & Co	May 7, 1917	January 31, 1918	06	358 62
Pignat-Vincenzi Mosaic Company, Inc	May 8, 1917	January 31, 1918	06	201 30
J. C. Coleman & Sons Company	May 17, 1917	January 31, 1918	06	42 78
Wilson & Tomlinson	May 31, 1917	January 31, 1918	06	109 68
Adams-Pond Company	June 22, 1917	January 31, 1918	06	919 86
Warren Brothers Company	June 26, 1917	January 31, 1918	06	1,198 80
Holt-Fairchild Company	July 13, 1917	January 31, 1918	06	16 80
Walter H. Preble Company	July 23, 1917	January 31, 1918	06	Nothing.
L. L. Sellew	August 7, 1917	January 31, 1918	06	$105 60
Keller Construction Company	August 16, 1917	January 31, 1918	06	104 40
Simpson Brothers Corporation	August 17, 1917	January 31, 1918	06	159 22
Joseph Lambiase	September 11, 1917	January 31, 1918	06	39 72
Frank Drinkwater	September 14, 1917	January 31, 1918	06	Nothing.
Sherman P. Troy, Inc	October 18, 1917	January 31, 1918	06	$239 10
Estate of P. O'Riorden	November 21, 1917	January 31, 1918	06	136 44

* These walks are guaranteed by a surety company bond for five (5) years from date of completion, and were laid on various public streets where the contractor had agreements with the abutters. The price, six (6) cents per square foot, is equivalent to the expense to the city of one half the cost of brick sidewalks.

Edgestones, Gutters and Artificial Stone Sidewalks.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantities, not Including Materials Furnished by City.	Amount Expended in 1917.
[1, 2] Parkton road, between Perkins street and Perkins street, West Roxbury; St. Albans road, between Francis street and Huntington avenue, Roxbury.	Charles J. Jacobs Company...	June 28, 1917.	Completed Aug. 2, 1917.....	$3,257 50	$3,245 20
[1] Adams street, westerly side, between Codman and Richmond streets; Dorchester avenue, between Freeport and Park streets; Richmond street, northerly side, between Adams street and Dorchester avenue; West Selden street, from Crossman street about 2,100 feet easterly, Dorchester.	Warren Brothers Company...	July 3, 1917.	Unfinished.....	23,908 65	18,827 93
[1] Adams street, between King square and Ashmont street; Belfort street, between Dorchester avenue and Sagamore street; Dorchester avenue, westerly side, between Park street and Peabody square; King street, between Neponset avenue and Adams street; Rosemont street, between Adams and Gustin streets; Neponset avenue, westerly side, between King and Boutwell streets, Dorchester.	D. M. Biggs & Co.....	July 19, 1917.	Unfinished.....	24,741 60	21,233 42
[1] Amherst street, between Belgrade avenue and Penfield street; Beech street, northerly side, between West Roxbury Parkway and Hobson street; Birch street, between Corinth and Penfield streets; Brown avenue, between Poplar and Blakemore streets; Ridge street, between Brown avenue and Sycamore street; Seymour street, between Brown avenue and Canterbury street; Sherwood street, between Ashland and Florence streets; Sycamore street, between Florence and Ashland streets, West Roxbury.	Charles J. Jacobs Company...	Aug. 7, 1917.	Unfinished.....	27,515 70	14,861 06

[1] Amory street, between Boylston and Green streets; Brookside avenue, between Boylston and Green streets; Lamartine street, between Boylston and Green streets; Paul Gore street, northerly side, between No. 12 and Chestnut avenue; Hyde Park avenue, easterly side, between Tower and Walk Hill streets; Tower street, between Hyde Park avenue and Forest Hills Cemetery; Walk Hill street, westerly side, from Hyde Park avenue about 400 feet southerly, West Roxbury; Evergreen street, westerly side, between South Huntington avenue and Day street, Roxbury.	Warren Brothers Company...	Aug. 16, 1917.	Unfinished.....	32,033 45	20,515 05
[1] Mt. Ida road, from Marie street about 254 feet southerly; Santuit street, between Roseland street and Welles avenue; Goodale road, southerly side, from Blue Hill avenue about 620 feet westerly, Dorchester.	M. D. Russo & Co.....	Aug. 23, 1917.	Completed Oct. 16, 1917.....	2,088 50	2,241 91
[1] Romsey street, between Dorchester avenue and Sydney street, Dorchester.	William J. Rafferty & Co.....	Sept. 26, 1917.	Completed Oct. 19, 1917.....	1,757 82	1,747 31
[1] Hanover street, between Court and Commercial streets; Cleveland place, between Margaret and Snow Hill streets, city proper.	V. Grande.....	Oct. 9, 1917.	Unfinished.....	7,736 25	5,241 15
[1] Atlantic avenue, easterly side, from Summer street to a point 270 feet north of Congress street, city proper.	John Landis & Co.....	Oct. 25, 1917.	Unfinished.....	2,645 75	781 66

[1] Advertised and awarded to lowest bidder.

[2] Work done under chapter 393, Acts of 1906.

Furnishing Filling.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1, 2] Conley street, between Old Colony Parkway and Tenean street, Dorchester.	D. M. Biggs & Co.....	July 17, 1917.	Unfinished.....	$1,995 00	$969 00
[1, 2] Alger street, between Dorchester avenue and the N. Y., N. H. & H. R. R., South Boston.	Frank J. Hannon.....	Nov. 7, 1917.	Unfinished.....	1,890 00	573 75

[1] Advertised and awarded to lowest bidder.

[2] Work done under chapter 393, Acts of 1906.

Asphalt Pavement.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.				Amount Expended in 1917.
[1, 2] North Beacon street, between Cambridge street and Market street; Parkland street, between Winship street and Academy Hill road; South street, between Chestnut Hill and Commonwealth avenues; Turner street, between Washington and Faneuil streets; Waldo terrace, between Washington and Henshaw streets, Brighton.	Coleman Brothers.....	June 14, 1917.	Unfinished.	(A)	Removing trees, etc.,		$300 00	
				(B)	9,094 cubic yards @	$0 90	8,184 60	
				(C)	14 cubic yards @	2 00	28 00	
				(D)	104 cubic yards @	5 00	520 00	
				(E)	8,640 linear feet @	0 25	2,160 00	
				(F)	534 linear feet @	0 25	133 50	
				(G)	2,340 linear feet @	0 20	468 00	
				(H)	2,875 cubic yards @	6 00	17,250 00	
				(I)	13 square yards @	1 00	13 00	
				(J)	333 square yards @	0 75	249 75	
				(K)	3,154 square yards @	1 60	5,046 40	
				(L)	615 square yards @	1 75	1,076 25	
				(M)	15 square yards @	1 00	15 00	
				(N)	15,675 square yards @	1 59	24,923 25	
				(O)	15 square yards @	0 50	7 50	
				(P)	82,900 square feet @	0 16	13,264 00	
				(Q)	2,120 square feet @	0 20	424 00	
							$74,063 25	$20,442 64
[1, 2] Seaver street, between Walnut and Blue Hill avenues, Roxbury.	Warren Brothers Company.	July 17, 1917.	Completed Sept. 20, 1917.	(A)	Removing trees, etc.,		$1 00	
				(C)	5 cubic yards @	$1 15	5 75	
				(D)	20 cubic yards @	6 00	120 00	
				(E)	3,900 linear feet @	0 30	1,170 00	
				(F)	155 linear feet @	0 23	35 65	
				(G)	550 linear feet @	0 19	104 50	
				(J)	60 square yards @	0 60	36 00	
				(K)	1,460 square yards @	1 35	1,971 00	
				(N)	16,276 square yards @	1 50	24,414 00	
				(P)	22,820 square feet @	0 18	4,107 60	
				(Q)	390 square feet @	0 22	85 80	
				(R)	1,600 square yards @	0 90	1,440 00	
				(S)	30 square yards @	1 10	33 00	
				(T)	70 cubic yards @	1 75	122 50	
				(U)	2,670 square yards @	0 10	267 00	
				(V)	1,110 square yards @	0 53	588 30	
				(W)	750 tons @	1 89	1,417 50	
							$35,919 60	$38,026 66

Asphalt Pavement.— *Concluded.*

CONTRACT.	Awarded to	Dated.	Progress of Work	Estimated Cost.					Amount Expended in 1917.
[1], [2] Norfolk street, between Corbet street and Blue Hill avenue, Dorchester.	Central Construction Company.	July 19, 1917.	Unfinished.	(A)	Removing trees, etc.,			$600 00	
				(B)	9,170 cubic yards	@	$1 19	10,912 30	
				(C)	10 cubic yards	@	3 50	35 00	
				(D)	30 cubic yards	@	8 00	240 00	
				(E)	5,310 linear feet	@	0 29	1,539 90	
				(F)	300 linear feet	@	0 29	87 00	
				(G)	1,345 linear feet	@	0 29	390 05	
				(I)	30 square yards	@	0 75	22 50	
				(K)	1,490 square yards	@	1 78	2,652 20	
				(M)	10 square yards	@	1 00	10 00	
				(N)	16,860 square yards	@	2 09	35,237 40	
				(P)	47,480 square feet	@	0 16	7,596 80	
				(Q)	455 square feet	@	0 22	100 10	
				(R)	500 square yards	@	1 50	750 00	
				(S)	10 square yards	@	2 00	20 00	
								$60,193 25	$6,796 01
[1] Beacon street, between Raleigh street and Boston & Albany Railroad; North Russell street, between Cambridge and Eaton streets, city proper; Maverick square, between Sumner and Maverick streets, East Boston; Harvard street, between Prescott street and south side of Harvard square, Charlestown; Brighton avenue, between Commonwealth avenue and Cambridge street, Brighton; Bowdoin street, from 78 feet west of Mt. Ida road to Topliff street, Dorchester; South street, between Jamaica street and Arborway, West Roxbury.	The Bermudez Company...	Sept. 20, 1917.	Unfinished.	(C)	7 cubic yards	@	$4 00	$28 00	
				(D)	11 cubic yards	@	8 00	88 00	
				(E)	528 linear feet	@	0 30	158 40	
				(F)	180 linear feet	@	0 25	45 00	
				(G)	5,864 linear feet	@	0 23	1,348 72	
				(J)	350 square yards	@	1 00	350 00	
				(K)	230 square yards	@	2 60	598 00	
				(L)	1,300 square yards	@	2 60	3,380 00	
				(M)	10 square yards	@	1 40	14 00	
				(N)	20,906 square yards	@	2 53	52,892 18	
				(O)	105 square yards	@	0 50	52 50	
				(P)	74,610 square feet	@	0 1925	14,362 42	
				(Q)	2,405 square feet	@	0 24	577 20	
				(R)	4,933 square yards	@	1 10	5,426 30	
				(S)	10 square yards	@	2 35	23 50	
				(W)	100 tons	@	2 50	250 00	
				(X)	100 square yards	@	1 50	150 00	
				(Y)	1,886 square yards	@	2 10	3,960 60	
				(Z)	2,868 square yards	@	2 10	6,022 80	
				(AA)	15,255 square yards	@	1 43	21,814 65	
								$111,542 27	$45,561 01

[1] Advertised and awarded to lowest bidder.

[2] Work done under chapter 393, Acts of 1906.

EXPLANATION OF LETTERS.

(A) Removing trees, etc.
(B) Earth excavation.
(C) Excavation for water boxes and hydrants.
(D) Rock excavation.
(E) Straight edgestones hauled and set.
(F) Circular edgestones set.
(G) Edgestones reset.
(H) Furnishing and laying concrete base.
(I) Granite block pavement hauled and laid with gravel joints.
(J) Granite block pavement relaid with gravel joints.
(K) Granite block pavement hauled and laid with grout joints for gutters and edgings.
(L) Granite block pavement hauled and laid with grout joints for brows, including plastering rails.
(M) Flagging crosswalks relaid with gravel joints.
(N) Furnishing and laying a 1½-inch binder and a 1½-inch wearing surface, including preparing site, and guaranteeing same for a period of five (5) years after completion.
(O) Brick sidewalks relaid.
(P) Furnishing and laying artificial stone sidewalks and guaranteeing same for a period of five (5) years after completion.
(Q) Furnishing and laying artificial stone driveways and guaranteeing same for a period of five (5) years after completion.
(R) Granite block pavement relaid with grout joints.
(S) Flagging crosswalks relaid with grout joints.
(T) Furnishing loam.
(U) Loam spaces graded and seeded.
(V) Telford base taken up and relaid.
(W) Crushed stone furnished, placed and rolled.
(X) Granite block pavement hauled and laid with grout joints on gravel bed.
(Y) Granite block pavement relaid with grout joints on concrete base for brows.
(Z) Granite block pavement relaid with grout joints on concrete base for gutters and edgings.
(AA) Furnishing and laying sheet asphalt pavement on macadam foundation and guaranteeing same for a period of five (5) years after completion.

Topeka, Granite Block and Wood Block Pavements.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.					Amount Expended in 1917.
[1] Beacon street, between Tremont and Park streets; Beacon street, between Park and Charles streets; Park street, between Tremont and Beacon streets; Somerset street, between Beacon street and Ashburton place; Tremont street, between Boylston and Common streets; Washington street, from 78 feet south of Court avenue to Beach street, city proper.	Bernard E. Grant.....	Aug. 16, 1917.	Unfinished.	(A)	6 cubic yards	@ $1 00	$6 00		
				(B)	6 cubic yards	@ 5 00	30 00		
				(C)	2,100 square yards	@ 0 10	210 00		
				(D)	400 square yards	@ 0 50	200 00		
				(E)	270 cubic yards	@ 1 00	270 00		
				(F)	200 tons	@ 2 00	400 00		
				(G)	137 linear feet	@ 0 25	34 25		
				(H)	20 linear feet	@ 0 25	5 00		
				(I)	3,840 linear feet	@ 0 12	460 80		
				(J)	1,392 cubic yards	@ 6 00	8,352 00		
				(K)	55 square yards	@ 1 00	55 00		
				(L)	1,433 square yards	@ 3 45	4,943 85		
				(M)	2,575 square yards	@ 3 60	9,270 00		
				(N)	1,472 square yards	@ 1 00	1,472 00		
				(O)	15 square yards	@ 1 00	15 00		
				(P)	45 square yards	@ 1 00	45 00		
				(Q)	7,167 square yards	@ 1 55	11,108 85		
				(R)	2,870 square yards	@ 3 60	10,332 00		
				(S)	7,750 square yards	@ 3 40	26,350 00		
				(T)	2,715 square yards	@ 0 35	950 25		
				(U)	7,930 square feet	@ 0 185	1,467 05		
				(V)	100 square feet	@ 0 20	20 00		
								$75,997 05	$70,021 33
[1, 2] Gove street, between Cottage and Venice streets, East Boston; Museum road, between Huntington avenue and the Fenway, Roxbury; Minton street, between Amory street and Brookside avenue, West Roxbury.	Warren Brothers Company..	Oct. 5, 1917.	Unfinished.	(A)	3 cubic yards	@ $2 00	$6 00		
				(B)	3 cubic yards	@ 6 00	18 00		
				(G)	2,045 linear feet	@ 0 30	613 50		
				(H)	154 linear feet	@ 0 25	38 50		
				(I)	700 linear feet	@ 0 22	154 00		
				(K)	40 square yards	@ 1 00	40 00		
				(N)	110 square yards	@ 2 00	220 00		
				(T)	20 square yards	@ 0 40	8 00		
				(U)	13,460 square feet	@ 0 17	2,288 20		
				(V)	360 square feet	@ 0 19	68 40		

Bitulithic Pavement.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.				Amount Expended in 1917.
[1], [2] Carmel street, between Tremont street and Delle avenue, Roxbury.	Warren Brothers Company..	Oct. 25, 1917.	Unfinished.	(A)	Removing trees, etc.,		$25 00	
				(B)	280 cubic yards @	$1 25	350 00	
				(C)	2 cubic yards @	4 00	8 00	
				(D)	3 cubic yards @	8 00	24 00	
				(E)	100 linear feet @	0 50	50 00	
				(F)	30 linear feet @	0 35	10 50	
				(G)	310 linear feet @	0 30	93 00	
				(H)	100 square yards @	3 00	300 00	
				(I)	40 square yards @	2 50	100 00	
				(J)	590 square yards @	2 50	1,475 00	
				(K)	10 square yards @	0 50	5 00	
				(L)	2,500 square feet @	0 20	500 00	
				(M)	50 square feet @	0 23	11 50	
							$2,952 00	Nothing.

[1] Advertised and awarded to lowest bidder.

[2] Work done under chapter 393, Acts of 1906.

(A) Removing trees, etc.
(B) Earth excavation.
(C) Excavation for water boxes and hydrants.
(D) Rock excavation.
(E) Straight edgestones hauled and set.
(F) Circular edgestones set.
(G) Edgestones reset.
(H) Granite block pavement hauled and laid with grout joints.
(I) Granite block pavement relaid with grout joints.
(J) Furnishing and laying bitulithic pavement and guaranteeing same for a period of five (5) years after completion.
(K) Brick sidewalks relaid.
(L) Furnishing and laying artificial stone sidewalks and guaranteeing same for a period of five (5) years after completion.
(M) Furnishing and laying artificial stone driveways and guaranteeing same for a period of five (5) years after completion.

Granite Block Pavement.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1] Dorchester avenue, between Peabody square and Washington street, Dorchester.	James Doherty.....	July 23, 1917.	Unfinished.	$40,335 91	$11,441 76
[1] Dorchester avenue, between Freeport and Park streets, Dorchester.	Bernard E. Grant.....	Aug. 29, 1917.	Unfinished.	27,835 00	6,375 00
[1] Neponset avenue, between Ashmont and Chickatawbut streets, Dorchester.	John F. Lynch.....	Oct. 1, 1917.	Unfinished.	5,077 24	1,751 00
[1, 2] Overland street, between Brookline avenue and Boston & Albany Railroad, Roxbury.	James J. Coughlan Company....	Oct. 16, 1917.	Unfinished.	9,706 55	4,427 53

[1] Advertised and awarded to lowest bidder.

[2] Work done under chapter 393, Acts of 1906.

Bituminous Macadam Roadways and Retaining Walls.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantities, not Including Materials Furnished by City.	Amount Expended in 1917.
[1, 2] Cliffmont street, from Canterbury street 1,120 feet southerly, West Roxbury; Nevada street, between Fairmount street and Wilmington avenue; Stratton street, between Lucerne and Lyford streets; Wilmington avenue, between Milton avenue and Nevada street, Dorchester.	Martino DeMatteo.....	Oct. 5, 1917.	Unfinished.	$19,831 03	$459 00
[1, 2] Ralston street, between Dorchester and Old Colony avenues, South Boston.	William J. Rafferty & Co.....	Oct. 9, 1917.	Unfinished.	5,757 08	2,229 59
[1, 2] Pontiac street, between Tremont and Hillside streets, Roxbury.	J. C. Coleman & Sons Company..	Oct. 22, 1917.	Unfinished.	19,646 60	3,901 50

[1] Advertised and awarded to lowest bidder.

[2] Work done under chapter 393, Acts of 1906.

Miscellaneous.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[3] Repairing blacksmith shop, Roxbury paving yard...	E. Russell Contracting Company,	March 6, 1917.	Completed May 24, 1917...	$250 00	$250 00
[1] Repairing asphalt pavement in any street upon which the maintenance guaranty has expired.	Central Construction Company..	March 20, 1917.	Completed Jan. 31, 1918...	39,200 00	70,483 72
[1] Repairing artificial stone sidewalks on any street within the city limits not under guaranty.	Charles J. Jacobs Company.....	March 22, 1917.	Completed Jan. 31, 1918....	1,050 00	1,171 85
[3] Granite block pavement in Summer street, between High and South streets, and the easterly side of Dorchester avenue and the intersecting streets.	Henry S. Clark.....	April 27, 1917.			
[2] Repairing fence on sea wall, Dorchester avenue, between Summer and Congress streets, city proper.	P. J. Dinn & Co.....	April 27, 1917.	Completed June 9, 1917....	100 00	100 00
[3] Rebuilding wall and wooden fence at No. 36 Brookford street, Roxbury.	E. Russell Contracting Company,	June 30, 1917.	Completed Aug. 1, 1917....	150 00	150 00
[1] Moving buildings Nos. 1243, 1245, 1247 and 1249 Hyde Park avenue, Hyde Park.	Soley & Blair, Inc.....	Sept. 14, 1917.	Completed Oct. 19, 1917....	1,020 00	1,020 00
[1, 4] Building foundation walls and piers under buildings Nos. 1243, 1245, 1247 and 1249 Hyde Park avenue, Hyde Park.	Thomas H. Corrigan.....	Oct. 18, 1917.	Unfinished.....	1,720 00	Nothing.
[1, 5] Grading Grove street, between Centre and Washington streets, West Roxbury.	Central Construction Company..	Jan. 4, 1918.	Unfinished.....	33,250 00	Nothing.

[1] Advertised and awarded to lowest bidder.
[2] Only bid; not advertised.
[3] Work done by Boston Transit Commission, our department to pay part of the cost of same.
[4] Police Department to pay the cost of moving and building foundations under building No. 1243.
[5] Work done under chapter 393, Acts of 1906.

HIGHWAY DIVISION.— SANITARY SERVICE.

Collecting and Removing Offal.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1] East Boston district	Daniel P. Sullivan	Feb. 9, 1917.	Completed Jan. 31, 1918	$5,388 00	$4,804 30
[1] Brighton district	Daniel P. Sullivan	Feb. 9, 1917.	Completed Jan. 31, 1918	4,788 00	4,269 30
[1] West Roxbury district	Daniel P. Sullivan	Feb. 9, 1917.	Completed Jan. 31, 1918	1,788 00	1,594 30
[1] Dorchester district	John J. Bradley	Feb. 6, 1917.	Completed Jan. 31, 1918	33,480 00	30,225 00
[1] Hyde Park district	Daniel P. Sullivan	Feb. 9, 1917.	Completed Jan. 31, 1918	1,188 00	1,059 30

[1] Advertised and awarded to lowest bidder.

Collecting and Removing Ashes.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1] East Boston district	Angelo Silano	Feb. 15, 1917.	Completed Jan. 31, 1918	$14,748 00	$13,840 03
[1] Brighton district	McMurtry Brothers	Feb. 5, 1917.	Completed Jan. 31, 1918	19,140 00	17,289 17
[1] West Roxbury district	John J. Moore	Feb. 6, 1917.	Completed Jan. 31, 1918	9,300 00	9,306 33
[1] Dorchester district	John J. Loonie	Feb. 15, 1917.	Completed Jan. 31, 1918	71,640 00	68,909 32
[1] Hyde Park district	C. F. Sexton	Feb. 6, 1917.	Completed Jan. 31, 1918	4,008 00	3,607 20

[1] Advertised and awarded to lowest bidder.

Miscellaneous.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1, 2] Removing manure from the various stables and yards of the department.	Joseph A. Kelley.....	Feb. 2, 1917.	Completed Jan. 31, 1918...	* $1 80	$917 55
[3] Repairing conductor pipes and furnishing iron soil pipes at the Highland street yard, Roxbury.	Boston Painting and Roofing Company.	May 1, 1917.	Completed June 6, 1917...	240 00	240 00
[4] Furnishing and erecting fire escape for horses, Sanitary stable, Highland street, Roxbury.	P. J. Dinn & Co.....	May 3, 1917.	Completed June 13, 1917...	935 00	935 00

[1] Advertised and awarded to highest bidder. [2] Paid to city. [3] Only bid; not advertised. [4] Invitation bids; awarded to lowest bidder.
* Per horse per year.

Contracts in Force Made in Previous Years.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
Disposal of refuse for ten years.....	Boston Development and Sanitary Company.	Feb. 1, 1912.	Unfinished.....	$1,432,000 00	$143,000 00

HIGHWAY DIVISION.— STREET CLEANING AND OILING SERVICE.

Furnishing Carts for Watering and Oiling Streets.

DISTRICT.	Awarded to	Dated.	Progress of Work.	Price per Cart per Day.		Amount Expended in 1917.
				Two-horse.	Three-horse.	
[1] No. 1, South Boston and Dorchester North.	Northern Construction Company.	Mch. 13, 1917.	Completed Jan. 31, 1918...	$5 25	$5 25	$3,063 39
[1] No. 2, East Boston and Breed's Island....	William Carr.....	Mch. 13, 1917.	Completed Jan. 31, 1918....	5 20	6 00	473 20
[1] No. 3, Charlestown.....	Estate of P. O'Riorden.....	Mch. 13, 1917.	Completed Jan. 31, 1918...	5 60	6 00	1,590 40
[1] No. 4*a*, Brighton North.....	McMurtry Brothers.....	Mch. 13, 1917.	Completed Jan. 31, 1918...	6 00	6 00	672 00
[1] No. 4*b*, Brighton South.....	Bernard Malone.....	Mch. 13, 1917.	Completed Jan. 31, 1918...	6 00	6 00	588 00
[1] No. 5, West Roxbury.....	M. McGinnis & Co.....	Mch. 30, 1917.	Completed Jan. 31, 1918...	6 00	7 50	2,267 63
[1] Nos. 6 and 9, Dorchester and Ashmont...	John J. Loonie.....	Mch. 13, 1917.	Completed Jan. 31, 1918...	6 00	8 00	3,063 00
[1] No. 7, Roxbury South and Jamaica Plain.	M. Doyle & Co., Inc.....	Mch. 30, 1917.	Completed Jan. 31, 1918...	6 00	7 00	2,353 51
[1] No. 8, South End and Roxbury North...	Joseph Sprissler.....	Mch. 30, 1917.	Completed Jan. 31, 1918...	6 40	7 00	3,114 41
[1] No. 10, North and West Ends and Back Bay.	Northern Construction Company.	Mch. 13, 1917.	Completed Jan. 31, 1918...	5 45	7 00	3,150 53
[1] No. 11, Hyde Park.....	Thomas H. Corrigan.....	Mch. 13, 1917.	Completed Jan. 31, 1918...	5 25	5 25	501 39

[1] Advertised and awarded to lowest bidder.

Miscellaneous.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
Furnishing combination motor street sprinkling, flushing and oil-spreading trucks.	Bernard E. Grant.....	Mch. 22, 1917.	Completed Dec. 1, 1917....	* $20 50	$18,758 79
[2]Repairing roof, Street Cleaning office, Rutherford avenue, Charlestown.	Boston Painting and Roofing Company.	Jan. 30, 1918.	Unfinished.....	360 00	Nothing.

[1] Advertised and awarded to lowest bidder. [2] Only bid; not advertised. * Per truck per day.

Removing Snow and Ice.

DISTRICT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1] Snow District No. 1	The Bermudez Company	Jan. 14, 1918.	Expires May 1, 1918	$0 49 per cubic yard	Nothing.
[1] Snow District No. 2	Joseph P. McCabe	Jan. 14, 1918.	Expires May 1, 1918	0 48 per cubic yard	Nothing.
[1] Snow District No. 3	The Bermudez Company	Jan. 14, 1918.	Expires May 1, 1918	0 57 per cubic yard	Nothing.
[1] Snow District No. 4	The Bermudez Company	Jan. 14, 1918.	Expires May 1, 1918	0 59 per cubic yard	Nothing.
[1] Snow District No. 5	The Bermudez Company	Jan. 14, 1918.	Expires May 1, 1918	0 58 per cubic yard	Nothing.
[1] Snow District No. 6	The Bermudez Company	Jan. 14, 1918.	Expires May 1, 1918	0 53 per cubic yard	Nothing.
[1] Snow District No. 7	J. C. Coleman & Sons Company,	Jan. 14, 1918.	Expires May 1, 1918	0 49 per cubic yard	Nothing.

[1] Advertised and awarded to lowest bidder.

Contracts in Force Made in 1916.

[1] Snow District No. 1	Central Construction Company	Dec. 12, 1916.	Expired May 1, 1917	$0 43 per cubic yard	$3,272 30
[1] Snow District No. 2	Bernard E. Grant	Dec. 12, 1916.	Expired May 1, 1917	0 42 per cubic yard	688 80
[1] Snow District No. 3	Bernard E. Grant	Dec. 12, 1916.	Expired May 1, 1917	0 45 per cubic yard	495 68
[1] Snow District No. 4	Bernard E. Grant	Dec. 12, 1916.	Expired May 1, 1917	0 38 per cubic yard	429 78
[1] Snow District No. 5	Coleman Brothers	Dec. 12, 1916.	Expired May 1, 1917	0 49 per cubic yard	1,954 12
[1] Snow District No. 6	Central Construction Company	Dec. 12, 1916.	Expired May 1, 1917	0 40 per cubic yard	926 60
[1] Snow District No. 7	Michael H. Loonie	Dec. 12, 1916.	Expired May 1, 1917	0 40 per cubic yard	1,067 80

[1] Advertised and awarded to lowest bidder.

SEWER AND WATER DIVISION.— SEWER SERVICE.

Cleaning Catch-basins.

DISTRICT.	Awarded to	Dated.	Progress of Work.	Price per Basin.	Amount Expended in 1917.
[1] No. 1, East Boston and Charlestown.....	John W. Collins & Co....	Feb. 6, 1917.	Completed Jan. 31, 1918.	East Boston and Charlestown..... $3 24	$10,469 44
No. 5, city proper.....				City proper..... 3 14	
[1] No. 2, South Boston and Dorchester.....	Mark H. Lynch.....	Feb. 6, 1917.	Completed Jan. 31, 1918.	South Boston and Dorchester..... 3 20	11,252 10
No. 3, West Roxbury and Hyde Park....				West Roxbury and Hyde Park..... 3 00	
No. 4, South End, Back Bay, Roxbury and Brighton.				South End, Back Bay, Roxbury and Brighton..... 3 20	

[1] Advertised and awarded to lowest bidder.

Sewerage Works.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantities, not Including Materials Furnished by City.	Amount Expended in 1917.
[1] Balsam street, between Irma and Lucerne streets, and Dunbar avenue, from existing sewer at Moody street 200 feet westerly, Dorchester.	Timothy Coughlin.....	Mch. 12, 1917.	Completed April 21, 1917.....	$764 00	$859 50
[1] Back street, between Hereford and Fairfield streets, city proper.	West Roxbury Trap Rock Company.	Mch. 27, 1917.	Completed June 21, 1917.....	9,238 50	17,474 42
[1] Kenton road, from Washington street to a point about 835 feet southeasterly, West Roxbury.	William L. Dolan.....	Mch. 30, 1917.	Completed June 18, 1917.....	3,693 00	9,812 35
[1] Blue Hill avenue, between Deering and Goodale roads, Dorchester.	James Barletta.....	Mch. 31, 1917.	Completed May 17, 1917.....	1,249 00	1,545 41
[1] Minton street, between Amory street and Brookside avenue, West Roxbury.	Domenick Vozzella.....	Mch. 31, 1917.	Completed May 12, 1917.....	2,475 35	2,407 99
[1] Washington street and Breck avenue, between Nonantum street and Langley road, and Langley road, from Breck avenue about 600 feet easterly, Brighton.	John J. Lane.....	Mch. 31, 1917.	Completed June 23, 1917.....	2,952 10	3,686 49
[1] Turner street, between Faneuil and Washington streets, Brighton.	John J. Lane.....	Mch. 31, 1917.	Completed May 14, 1917.....	3,529 70	4,441 45
[1] Stratton street, between Lyford and Lucerne streets, Dorchester.	Anthony Baruffaldi.....	Mch. 31, 1917.	Completed May 26, 1917.....	1,463 00	3,077 20
[1] Ralston street, between Old Colony and Dorchester avenues, South Boston.	Anthony Baruffaldi.....	April 5, 1917.	Completed July 19, 1917.....	8,240 75	13,659 97

[1] Annapolis street, between Bakersfield and Sumner streets, and outlet in Bakersfield and Mayfield streets, Dorchester.	V. Grande	April 5, 1917.	Completed May 10, 1917	712 00	777 07
[1] Hyde Park avenue, between Factory and Providence streets; Hyde Park avenue, between Dana avenue and Providence street; Dana avenue, between Hyde Park avenue and N. Y., N. H. & H. R. R.; Folsom street, between Dana avenue and Pine street, Hyde Park.	Frank Drinkwater	April 7, 1917.	Unfinished	4,958 50	5,275 81
[1] Clarendon park, southeasterly side, from Poplar street about 475 feet southwesterly, West Roxbury.	Frank Drinkwater	April 12, 1917.	Completed May 3, 1917	949 00	1,624 04
[1] Waldo terrace, between Henshaw and Washington streets, Brighton.	Antony Cefalo	April 12, 1917.	Completed May 19, 1917	1,193 00	1,848 43
[1] Overland street, between Brookline avenue and Boston & Albany Railroad; Museum road, between Huntington avenue and the Fenway, Roxbury.	V. Grande	April 12, 1917.	Completed Aug. 23, 1917	4,679 00	5,758 25
[1] North Beacon street, between Market and Cambridge streets, Brighton.	Anthony Baruffaldi	April 17, 1917.	Completed Nov. 22, 1917	17,716 02	25,785 51
[1] Linden Park and Roxbury streets, between Cabot and Kent streets, Roxbury.	Michael H. Loonie	April 17, 1917.	Completed May 14, 1917	545 50	937 37
[1] Woodward street, from Dorchester avenue about 141 feet southeasterly, South Boston.	Timothy J. O'Connell	April 20, 1917.	Completed May 22, 1917	559 34	1,181 84
[1] Moreland street, between Dennis street and Brook avenue, Roxbury.	Timothy Coughlin	April 20, 1917.	Completed July 26, 1917	3,120 81	3,681 12
[1] Lorne street, from Harvard street about 650 feet northwesterly, West Roxbury.	Frank Drinkwater	April 25, 1917.	Completed July 17, 1917	1,522 50	2,432 14
[1] Elmwood Street brook in private land and across North avenue, from N. Y., N. H. & H. R. R. about 25 feet north of North avenue, West Roxbury.	West Roxbury Trap Rock Company.	April 25, 1917.	Completed Sept. 8, 1917	1,325 00	1,525 41

[1] Advertised and awarded to lowest bidder.

Sewerage Works.— *Continued.*

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantities, not Including Materials Furnished by City.	Amount Expended in 1917.
[1] Foss road, between Beaumont street and Elm road, Dorchester.	Daddario & Booth.....	April 27, 1917.	Completed June 2, 1917.....	$860 50	$955 63
[1] Norfolk street, between Corbet street and Blue Hill avenue, and outlet in land of the City of Boston, private land and Walk Hill street, Dorchester.	Timothy Coughlin.....	April 30, 1917.	Completed Oct. 8, 1917.....	9,738 80	16,208 38
[1] Lanesville terrace, between Washington street and Stony brook conduit, West Roxbury.	Antony Cefalo.....	May 8, 1917.	Completed June 14, 1917.....	1,355 00	2,262 91
[1] Spring Street brook conduit in private land, Landseer street and La Grange street, and Landseer street, between Centre and La Grange streets, West Roxbury.	West Roxbury Trap Rock Company.	May 10, 1917.	Completed Sept. 15, 1917.....	11,236 00	20,341 38
[1] Berkeley street, between Columbus avenue and the Boston & Albany Railroad, city proper.	John W. O'Connell.....	May 10, 1917.	Completed Aug. 15, 1917.....	4,830 25	6,726 90
[1] Hyde Park avenue, between Metropolitan avenue and River street, and outlets in Metropolitan avenue passageway and Providence street, Hyde Park.	Antony Cefalo.....	May 14, 1917.	Completed Aug. 16, 1917.....	40,948 70	52,199 62
[1] Atlantic avenue, between Summer street and Belcher lane, city proper.	Michael H. Loonie.....	May 29, 1917.	Unfinished.....	13,191 50	22,770 90
[1] Manchester street, from Groveland street about 230 feet westerly, Dorchester.	James J. Conway.....	May 29, 1917.	Completed June 9, 1917.....	472 00	533 36

[1] Parkland street, between Academy Hill road and Winship street, and outlet in Academy Hill road, between Washington street and Chestnut Hill avenue, Brighton.	Frank Drinkwater.....	June 14, 1917.	Unfinished.....	2,434 00	2,577 81
[1] Shelby street, between Saratoga and Lexington streets, East Boston.	James J. Conway.....	June 14, 1917.	Completed July 20, 1917.....	1,471 30	1,497 20
[1] Almont street, between Blue Hill avenue and Walk Hill street, and outlet in Orlando street, Board of Survey streets Nos. 2302 and 2037, Hersey and Favre streets, and open earthen channel for Oakland brook, between Bismarck and Messenger streets, Dorchester.	Antony Cefalo.....	June 26, 1917.	Unfinished.....	14,949 50	9,111 25
[1] Chestnut Hill avenue, between Chiswick road and South street, and outlet in Chiswick road, Brighton.	Anthony Baruffaldi.....	July 3, 1917.	Completed Nov. 10, 1917.....	3,748 50	4,505 67
[1] Goodale road, between Blue Hill avenue and Wellington Hill street, Dorchester.	James Barletta.....	July 6, 1917.	Completed Oct. 3, 1917.....	1,465 00	2,351 27
[1] Hillside street, between River and Church streets, and Church street, between River and Hillside streets, Hyde Park.	Domenick Vozzella.....	July 17, 1917.	Completed Sept. 10, 1917.....	2,677 60	2,686 69
[1] Child street, between Chestnut street and Gordon avenue, Hyde Park.	Thomas H. Corrigan.....	July 19, 1917.	Completed Nov. 8, 1917.....	1,066 75	1,169 91
[1] Caledonian avenue, between Spring and Hamilton streets, West Roxbury.	James J. Conway.....	July 19, 1917.	Unfinished.....	7,542 50	8,461 09
[1] Building catch-basins in various streets in Roxbury.	William L. Dolan.....	July 20, 1917.	Unfinished.....	4,296 00	17,733 71
[1] Webster street, from Orleans street 220 feet easterly, East Boston.	James J. Conway.....	July 20, 1917.	Completed Aug. 16, 1917.....	1,776 60	1,965 21
[1] Codman street culvert and sewerage works in Pleasant street, between Savin Hill avenue and Stoughton street, and Dorchester avenue, between Hancock street and Savin Hill avenue, Dorchester.	Timothy Coughlin.....	July 23, 1917.	Completed Dec. 4, 1917.....	1,159 00	2,649 64

[1] Advertised and awarded to lowest bidder.

Sewerage Works.— *Continued.*

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantities, not Including Materials Furnished by City.	Amount Expended in 1917.
[1] Grover street, between Florence street and Neponset avenue, West Roxbury.	Frank Drinkwater.....	July 23, 1917.	Completed Oct. 17, 1917.....	$1,298 50	$3,767 93
[2] Bexley road, between Florence and Washington streets, West Roxbury.	Domenick Vozzella.....	Aug. 7, 1917.	Completed Oct. 27, 1917.....	2,086 60	3,712 16
[1] Weld street, between Walker and Arthur streets, West Roxbury.	Joseph Todesca.....	Aug. 16, 1917.	Completed Sept. 4, 1917.....	463 00	458 61
[1] South Conway street, between Robert and South streets, West Roxbury.	Joseph Todesca.....	Aug. 16, 1917.	Completed Dec. 6, 1917.....	702 00	1,465 92
[1] Cambridge street, from existing sewer about 100 feet west of Stark and Crescent streets, Charlestown.	Frank Drinkwater.....	Aug. 29, 1917.	Completed Oct. 17, 1917.....	495 00	947 03
[1] Public Alley No. 821, between Gainsborough street and Public Alley No. 820; Public Alley No. 820, between Huntington avenue and St. Botolph street, Roxbury.	Timothy J. O'Connell.....	Sept. 4, 1917.	Completed Nov. 3, 1917.....	8,511 00	12,372 93
[1] Rutherford avenue, between Baldwin and Allen streets, Charlestown.	Timothy J. O'Connell.....	Sept. 4, 1917.	Unfinished.....	2,331 50	1,399 23
[1] Faywood avenue, between Orient avenue and Tower street, East Boston.	Frank Drinkwater.....	Sept. 4, 1917.	Unfinished.....	7,102 00	3,390 01
[1] Justin road, between Bigelow and Atkins streets, Brighton.	John J. Lane.....	Sept. 11, 1917.	Unfinished.....	865 50	746 51
[1] Griggs street, between Brainerd road and Commonwealth avenue, and Bellvista road, between Allston street and the Brookline line, Brighton.	V. Grande.....	Sept. 11, 1917.	Completed Nov. 15, 1917.....	1,830 50	1,828 55

[1] Park Vale avenue, between Glenville and Brighton avenues, Brighton.	V. Grande	Sept. 11, 1917.	Unfinished	2,915 00	1,922 22
[1] Edgewater drive, between Tokio and Malta streets, Dorchester.	Timothy Coughlin	Sept. 12, 1917.	Completed Oct. 18, 1917	520 80	613 28
[1] Holton street, between Everett and Antwerp streets, Brighton.	James Barletta	Sept. 24, 1917.	Unfinished	3,388 65	2,968 80
[1] Bowdoin street, between Topliff and Olney streets, and outlet in Topliff street, Dorchester.	John Guarino & Son	Oct. 2, 1917.	Unfinished	1,989 50	426 59
[1] Chelsea street, between Chamber and Henley streets, and outlet through Gray street into Water street, Charlestown.	Timothy J. O'Connell	Oct. 9, 1917.	Unfinished	9,607 30	Nothing.
[3] Private land, near Amory street, Roxbury	Thomas H. Connolly	Oct. 10, 1917.	Completed Oct. 17, 1917	350 00	$369 00
[2] Atherton street, between railroad bridge and Amory street, Roxbury	Thomas H. Connolly	Oct. 15, 1917.	Completed Oct. 26, 1917	900 00	1,113 63
[1] Bellamy street, between Burton and Richards streets, Brighton.	John J. Lane	Oct. 22, 1917.	Unfinished	1,438 00	2,924 25
[2] Gannett street, near Holborn street, Roxbury,	Thomas H. Connolly	Oct. 23, 1917.	Completed Nov. 3, 1917	300 00	312 05
[1] Ruggles place, between Avondale place and Washington street, Dorchester.	Timothy Coughlin	Oct. 23, 1917.	Completed Nov. 6, 1917	350 00	372 81
[1] East Cottage street, between Norfolk avenue and the Midland Division of the N. Y., N. H. & H. R. R., Dorchester.	Domenick Vozella	Oct. 24, 1917.	Unfinished	3,014 50	3,046 79
[1] Belgrade avenue, between Anawan avenue and Centre street, and Beech street, between West Roxbury Parkway and Belgrade avenue, West Roxbury.	Antony Cefalo	Oct. 30, 1917.	Unfinished	5,165 00	Nothing.
[2] Columbia road, corner of L street, South Boston.	Thomas H. Connolly	Nov. 15, 1917.	Completed Dec. 1, 1917	325 00	$350 72

[1] Advertised and awarded to lowest bidder. [2] Invitation bids; awarded to lowest bidder. [3] Only bid; not advertised.

Sewerage Works.— *Concluded.*

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantities, not Including Materials Furnished by City.	Amount Expended in 1917.
[1] Deer street, between Melvinside terrace and Roach street, Dorchester.	James Barletta	Nov. 24, 1917.	Unfinished	$1,816 55	Nothing.
[1] Public Alley No. 819, between Westland avenue and Public Alley No. 818, and Public Alley No. 818, from Public Alley No. 819 200 feet easterly, Roxbury.	M. DeSisto	Dec. 1, 1917.	Unfinished	3,022 69	Nothing.
[1] Elder street, between Humphreys and Cawfield streets, Dorchester.	M. DeSisto	Dec. 1, 1917.	Unfinished	2,480 80	Nothing.
[1] Stanwood street, from Normandy street about 240 feet southeasterly, Dorchester.	Timothy Coughlin	Dec. 5, 1917.	Unfinished	1,219 20	$520 06
[1] Irma street, between Callender street and Woodrow avenue, Dorchester.	V. Grande	Dec. 18, 1917.	Unfinished	2,241 90	Nothing.
[1] Beaver street, from Cleveland street 235 feet northeasterly, Hyde Park.	George J. Regan	Dec. 18, 1917.	Unfinished	710 75	Nothing.

[1] Advertised and awarded to lowest bidder.

Furnishing and Driving Spruce Piles for Sewerage Works.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1] Connolly street, between Fellows street and Harrison avenue, Roxbury.	John P. Cavanagh Company..	Oct. 18, 1917.	Completed Nov. 13, 1917.....	$986 17	$2,067 65

[1] Advertised and awarded to lowest bidder.

Pumping Station, Calf Pasture, Dorchester.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[1] Furnishing and installing elbows for No. 3 and No. 4 pumps.	The Lumsden & Van Stone Company.	May 29, 1917.	Completed Dec. 20, 1917.....	$459 00	$459 00
[2] Repairing roof of shaft house.....	Boston Painting and Roofing Company.	Nov. 27, 1917.	Completed Dec. 11, 1917.....	490 00	490 00

[1] Advertised and awarded to lowest bidder.

[2] Only bid; not advertised.

SEWER AND WATER DIVISION.— WATER SERVICE.

Laying Water Pipes.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantities, not Including Materials Furnished by City.	Amount Expended in 1917.
[1] Cedarwood road and Lanesville terrace, West Roxbury; Buckminster, North Harvard and South streets, Brighton; Nevada street, Wilmington avenue and Stratton street, Dorchester.	John Guarino & Son.....	April 12, 1917.	Completed June 2, 1917....	$2,517 00	$3,219 02
[1] North Beacon street (bridge approach) and Brooks street, Brighton.	John Guarino & Son.....	April 20, 1917.	Completed May 8, 1917....	1,860 00	1,870 89
[1] Cornell street, between Colberg avenue and Westbourne street; West Roxbury Parkway, between Colberg avenue and Newburg street, West Roxbury.	Dominick Vozzella.....	May 7, 1917.	Completed June 8, 1917....	1,485 10	1,623 23
[1] Washington street, between Hollis street and Broadway; Broadway, between Washington street and Harrison avenue; Hartford street, between High and Wendell streets; Franklin street, between Broad and Oliver streets, city proper.	John Guarino & Son.....	May 10, 1917.	Completed Aug. 24, 1917...	4,334 00	4,685 54
[1] Arboretum road, private land and South street, West Roxbury; Fuller and Griggs streets, Brighton; Loring place, Raleigh and Ransome roads, Hyde Park.	V. Grande.....	May 29, 1917.	Completed Aug. 30, 1917...	3,092 00	3,984 99

[1] Neptune road, between Orleans street and Boston, Revere Beach & Lynn Railroad; Gove street, between Geneva and Venice streets; Porter street, between Cottage and Geneva streets; Westbrook street, between Saratoga and Bennington streets, East Boston; Bayne street, between Dorchester avenue and Auckland street; Annapolis street, between Sumner and Bakersfield streets, Dorchester.	James Barletta.....	May 29, 1917.	Completed July 14, 1917...	2,328 00	2,809 47
[1] High pressure fire service in Bromfield, South Market, Traverse, Washington Street North, Commercial, North, Richmond and Hanover streets, Harrison avenue, Bedford and Chauncy streets, city proper.	M. DeSisto.....	July 3, 1917.	Unfinished.....	63,237 50	30,040 14
[1] Sudan street, between Sydney and Sagamore streets, Dorchester; Ralston street, between Dorchester and Old Colony avenues, South Boston; Beacon street, across Charles street; Charles street, from Beacon street 100 feet northerly, city proper; Rocky Hill avenue, between Columbia road and Arion street, Dorchester.	James Barletta.....	July 17, 1917.	Completed Oct. 2, 1917....	2,735 00	2,517 25
[1] Laying water pipes with flexible joints in Boston Harbor, between Long and Spectacle Islands.	Bay State Dredging and Contracting Company.	July 31, 1917.	Completed Oct. 20, 1917...	19,610 00	20,496 80
[1] Brookline avenue, under the Boston & Albany Railroad tracks, Roxbury.	John A. Costello & Co.....	Aug. 6, 1917.	Unfinished.....	18,105 60	12,534 73
[1] Norfolk street, between Morton and Corbet streets; Mascot street at Norfolk street, Dorchester.	John Guarino & Son.....	Aug. 7, 1917.	Completed Oct. 6, 1917....	1,145 00	1,795 30
[2] Haven avenue, near Blue Hill avenue, Dorchester.	John T. Shea, Jr.....	Aug. 16, 1917.	Completed Oct. 26, 1917...	551 00	612 64
[3] Prospect street, from Milton avenue westerly, Hyde Park.	Hugh McNulty.....	Sept. 21, 1917.	Completed Oct. 11, 1917...	629 00	650 30
[4] Riverside place, Dorchester.....	John Guarino & Son.....	Sept. 21, 1917.	Completed Oct. 15, 1917...	344 15	344 15

[1] Advertised and awarded to lowest bidder.
[2] Invitation bids; awarded to second lowest bidder.
[3] Invitation bids; awarded to lowest bidder.
[4] Only bid; not advertised.

Laying Water Pipes.— *Concluded.*

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantities, not Including Materials Furnished by City.	Amount Expended in 1917.
[1] Beacon street, between Brookline avenue and Boston & Albany Railroad Bridge, Roxbury.	John A. Costello & Co.....	Sept. 27, 1917.	Completed Oct. 4, 1917....	$400 00	$391 00
[1] St. Mark street, private land, Anson street, Spaulding street, Rosemary street, Hall street and South street, and land of New York, New Haven & Hartford Railroad Company, West Roxbury.	M. DeSisto.....	Oct. 9, 1917.	Unfinished.....	2,575 25	1,728 25
[1] Caledonian avenue, Wright road, Upland and Salman streets, West Roxbury, and Yuill circle, Hyde Park.	John Guarino & Son.....	Oct. 18, 1917.	Unfinished.....	2,679 75	1,789 96
[1] Long and Spectacle Islands, Boston Harbor..	John A. Costello & Co.....	Oct. 22, 1917.	Unfinished.....	2,945 40	2,795 45
[1] Commercial street, between Clark street and Washington Street North; Causeway street, between existing main and Washington Street North; Washington Street North, between Traverse and Commercial streets, city proper.	John T. Shea, Jr.....	Oct. 27, 1917.	Unfinished.....	13,302 00	4,050 88
[1] Portland street, between Sudbury and Hanover streets, city proper; Moreland street, between Dennis street and Brook avenue, Dorchester.	James Barletta.....	Nov. 6, 1917.	Unfinished.....	1,230 00	1,133 98
[1] Commonwealth avenue, between Charlesgate East and Charlesgate West, city proper.	M. DeSisto.....	Nov. 16, 1917.	Unfinished.....	3,970 00	Nothing.

[1] Advertised and awarded to lowest bidder.

Relaying Water Pipes.

Contract.	Awarded to	Dated.	Progress of Work.	Estimated Cost as per Estimated Quantities, not Including Materials Furnished by City.	Amount Expended in 1917.
[1] North Grove street, between Cambridge and Fruit streets, city proper.	M. DeSisto	April 7, 1917.	Completed May 19, 1917.	$1,305 00	$1,002 11
[1] Commonwealth avenue, southerly sidewalk, between Foster and South streets, and setting 16-inch gates and hydrants on 16-inch pipe in Commonwealth avenue, Brighton.	James Barletta	April 23, 1917.	Completed June 9, 1917.	1,457 50	1,545 79
[1] East River street, between Huntington and Fairmount avenues, Hyde Park.	Hugh McNulty	May 7, 1917.	Completed Aug. 31, 1917.	5,202 65	4,923 53
[1] Child street, between South and Call streets, West Roxbury.	Thomas Burke	June 11, 1917.	Completed July 10, 1917.	1,235 00	1,120 19
[1] Kenton road, West Roxbury	Thomas Burke	June 28, 1917.	Completed Aug. 7, 1917.	792 00	995 06
[1] Gardner street, between Malvern street and Harvard avenue, Brighton.	Thomas Burke	July 20, 1917.	Completed Sept. 7, 1917.	1,780 00	1,317 47
[1] Hyde Park avenue, between Collins street and Cleary square, Hyde Park.	Frank Drinkwater	Aug. 29, 1917.	Unfinished	4,600 00	4,116 14
[1] Collins street, Hyde Park, and establishing gates and hydrants in Jamaicaway, West Roxbury.	Frank Drinkwater	Nov. 9, 1917.	Unfinished	980 00	Nothing.

[1] Advertised and awarded to lowest bidder.

Miscellaneous.

CONTRACT.	Awarded to	Dated.	Progress of Work.	Estimated Cost.	Amount Expended in 1917.
[2] Erecting spiral stairway in meter shop, water yard, Albany street.	Babcock-Davis Corporation...	Mar. 1, 1917.	Completed Mar. 24, 1917.	$134.....	$134 00
[1] Furnishing labor necessary for assembling post hydrants and valves.	Coffin Valve Company.....	Mar. 10, 1917.	Completed Sept. 24, 1917.	$6,106.25.....	6,831 25
[1] Installing service pipes; establishing branches, hydrants, gates; replacing boxes, etc., in a portion of District No. 2, comprising Wards 5 to 20, inclusive.	M. DeSisto.....	April 7, 1917.	Completed Dec. 10, 1917.	$15,153.25.....	10,737 52
Permission to lay 16-inch water pipe under the tracks of the N. Y., N. H. & H. R. R., northeast of the west bound station at Roslindale.	City of Boston.....	June 23, 1917.	.....	City to pay all cost of supporting and guarding tracks and roadbed, and all expense occasioned by its maintenance or repair.	
Furnishing water to the United States Government at the Navy Yard, Charlestown.	City of Boston.....	July 1, 1917.	Completed June 30, 1918.	$0.08 to 0.14 per 100 cubic feet.	
[1] Cleaning water pipes in Decatur, Chelsea, Medford, Harvard and Washington streets, Charlestown.	National Water Main Cleaning Company.	July 3, 1917.	Completed Sept. 4, 1917.	$2,340.....	3,271 78
Permission to lay water pipes across the land of the N. Y., N. H. & H. R. R. Co., between Anson and Hall streets, Forest Hills.	City of Boston.....	Sept. 5, 1917.	.....	City to maintain pipe in good condition and save harmless the railroad company from all damage resulting from the bursting or leaking of said water main.	
[1] Furnishing labor necessary for assembling Boston post hydrants.	Coffin Valve Company.....	Sept. 20, 1917.	Unfinished.	$3,400.....	1,445 00
[3] Installing iron girder to hold 48-inch water pipe on Commonwealth Avenue Bridge, between Charlesgate East and Charlesgate West.	Michael Meehan & Son.....	Nov. 17, 1917.	Unfinished.	$250.....	Nothing.
[1, 4] Laying water pipes in A street, between West Fifth and West Second streets, and West Second street, between A and Granite streets, South Boston.	John A. Costello & Co.....	Dec. 17, 1917.	.....	$3,254.50.....	

[1] Advertised and awarded to lowest bidder. [2] Invitation bids; awarded to lowest bidder. [3] Only bid; not advertised. [4] Work done by Boston Transit Commission.

The following table shows the snowfall and rainfall since 1911:

Snowfall (inches).

MONTH.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
January	0.7	17.8	0.3	10.3	7.0	4.8	13.1
February	19.5	0.2	7.7	20.6	5.1	30.3	8.9
March	.....	2.0	0.5	5.2	T.	33.0	12.9
April	.....	0.5	1.4	2.0	6.1	4.2	9.1
November	0.3	0.3	.....	.....	0.2	0.7	2.2
December	3.7	9.2	0.9	4.1	6.7	9.5	7.0
Totals	24.2	30.0	10.8	42.2	25.1	82.5	53.2

Rainfall (inches).

MONTH.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
January	2.28	2.87	2.38	3.26	6.33	1.23	2.82
February	2.85	2.38	2.99	3.07	3.47	5.18	2.67
March	2.95	4.18	4.81	4.16	T.	3.20	3.73
April	2.28	3.07	4.77	5.87	1.86	4.51	2.72
May	0.35	4.04	3.22	2.78	1.64	2.83	4.45
June	3.67	0.27	0.64	1.40	1.39	5.04	4.05
July	4.65	5.16	2.69	2.64	8.85	5.67	1.10
August	4.17	1.94	2.86	3.20	5.63	2.19	7.06
September	2.95	1.67	2.51	0.21	0.69	1.90	1.91
October	2.27	1.00	6.04	1.54	2.82	0.94	5.33
November	4.29	2.61	2.15	2.72	2.14	1.67	0.59
December	3.07	5.36	3.05	3.46	3.94	3.00	2.56
Totals	35.78	34.55	38.11	34.31	38.76	37.36	38.99

In this rainfall is included the precipitation during the winter months, which equals one tenth of an inch to one inch of snowfall.

Area of Pavements.

The Following Table Shows Areas in Square Yards and Character of Pavements on Accepted Streets, February 1, 1918.

District.	Asphalt.	Granite Block.	Wood Block.	Plank on Bridges.	Brick.	Concrete.	Bitulithic.	Macadam.	Gravel.	Not Graded.	Totals.
Year 1916 report	391,143	2,346,667	224,568	39,811	113,202	13,909	294,512	7,058,095	604,533	128,571	11,215,011
Per cent	3.49	20.92	2.00	0.35	1.01	0.12	2.63	62.94	5.39	1.15	100.00
February 1, 1918.											
City proper	280,826	944,145	167,891	8,891	9,943	1,262	148,283	417,113	4,133	6,024	1,988,511
Charlestown	5,173	266,565	1,418	3,091	2,296	672	.....	161,240	275	754	441,484
East Boston	9,645	141,588	.....	1,817	950	.....	1,058	491,532	28,941	.....	675,531
South Boston	31,740	432,400	2,850	6,967	3,079	.....	18,373	397,223	12,746	45,433	950,811
Roxbury	88,794	324,377	25,397	1,417	50,593	2,514	42,611	1,080,278	23,574	2,718	1,642,273
West Roxbury	35,389	49,491	583	2,206	.....	3,958	34,610	1,435,940	82,520	32,690	1,677,387
Dorchester	51,559	199,217	38,553	5,594	48,247	1,327	33,650	1,811,672	112,926	24,064	2,326,809
Brighton	63,427	31,958	3,675	3,847	.....	15,466	15,741	772,075	67,875	9,985	984,049
Hyde Park	14	1,656	.....	5,302	.....	.....	.....	346,202	238,408	21,548	613,130
Totals	* 566,567	† 2,391,397	240,367	39,132	115,108	‡ 25,199	§ 294,326	‖ 6,913,275	571,398	143,216	11,299,985
Per cent	5.01	21.16	2.13	0.35	1.02	0.22	2.60	61.18	5.06	1.27	100.00

Total area of pavements on public streets, 11,299,985 square yards.

NOTE.— In the above table the city is subdivided substantially on the boundary lines between the districts as they existed when annexed to Boston. Territory annexed from Brookline is included in city proper.

* Of this amount 774 square yards equal asphalt blocks.

† Of this amount 726,567 square yards equal granite block paving on concrete base and 1,157 square yards equal cobble.

‡ Of this amount 672 square yards equal Haesam concrete pavement, and 946 square yards equal Blome Granitoid concrete block pavement, and 1,250 square yards equal Roman road pavement.

§ Of this amount 1,264 square yards equal Endurite and 28,885 square yards equal Topeka pavement.

‖ Of this amount 1,920,976 square yards equal bituminous macadam.

30,325 square yards public alleys laid out under chapter 298 of the Acts of 1898 included in this table.

269,832 square yards public streets in charge of Park and Recreation Department included in this table.

48,474 square yards public streets in charge of the Commonwealth of Massachusetts included in this table.

In addition to this table there are 6,798 square yards of accepted foot passageways.

Public streets laid out or discontinued by the Street Commissioners during the year show pavements increased 4.94 miles or 85,917 square yards.

The taking of a portion of Mt. Vernon place by the state shows pavements decreased 0.03 mile or 433 square yards.

The relocation and construction of North Beacon street at Charles River Reservation by the Metropolitan Park Commission shows pavements decreased 0.01 mile or increased 770 square yards.

The construction of reserved space for street cars in Bennington street by the Boston Elevated Railway Company shows pavements decreased 0.00 mile or 13,188 square yards.

Corrections to previous measurements on account of revisions and other causes show pavements increased 0.03 mile or 11,908 square yards.

Total net increase 4.93 miles or 84,974 square yards.

The rate of increase from year to year is shown in the following table:

	Miles.		Miles.		Miles.
1859	111.50	1887	390.30	1903	499.85
1871	201.32	1888	392.72	1904	500.39
1872	207.40	1889	397.84	1905	502.20
1873	209.24	1890	404.60	1906	502.80
1874	313.90	1891	409.60	1907	510.04
1875	318.58	1892	434.59	1908	511.60
1876	327.50	1893	443.34	1909	514.28
1877	333.20	1894	447.65	1910	518.63
1878	340.39	1895	452.12	1911	521.21
1879	345.19	1896	456.11	1912	561.36
1880	350.54	1897	459.12	1913	567.51
1881	355.50	1898	471.19	1914	572.85
1882	359.85	1899	479.47	1915	584.55
1883	367.99	1900	489.55	1916	593.62
1884	374.10	1901	491.85	1917	596.19
1885	379.60	1902	496.90	1918	601.12
1886	383.55				

Length of Pavements.

The Following Table Shows Length in Miles and Character of Pavements on Accepted Streets, February 1, 1918.

DISTRICT.	Asphalt.	Granite Block.	Wood Block.	Plank on Bridges.	Brick.	Concrete.	Bitulithic.	Macadam.	Gravel.	Not Graded.	Totals.
Year 1916 report	26.30	102.91	9.10	1.89	5.48	0.98	14.67	392.91	38.90	3.05	596.19
Per cent	4.41	17.26	1.53	0.32	0.92	0.16	2.46	65.90	6.53	0.51	100.00
February 1, 1918.											
City Proper	17.83	40.92	6.72	0.37	0.55	0.12	6.32	22.22	0.29	0.22	95.56
Charlestown	0.32	11.91	0,06	0.13	0.10	0.03	.....	10.84	0.02	.....	23.41
East Boston	0.50	6.61	.....	0.11	0.04	.....	0.06	23.68	1.34	.....	32.34
South Boston	2.48	18.32	0.16	0.32	0.13	.....	1.07	20.94	0.69	1.78	45.89
Roxbury	4.93	13.84	1.17	0.05	2.69	0.17	2.43	63.28	1.97	0.18	90.71
West Roxbury	2.44	1.75	.....	0.11	.....	0.32	2.06	86.38	5.55	0.31	98.92
Dorchester	3.40	9.05	1.55	0.24	1.95	0.09	2.00	106.25	6.91	0.51	131.95
Brighton	2.11	0.63	0.08	0.21	.....	1.05	0.70	37.66	4.61	0.16	47.21
Hyde Park	.....	0.08	.....	0.30	.....	.....	.....	18.79	15.72	0.24	35.13
Totals	* 34.01	†103.11	9.74	1.84	5.46	‡ 1.78	§ 14.64	‖390.04	37.10	3.40	601.12
Per cent	5.66	17.15	1.62	0.31	0.91	0.30	2.43	64.88	6.17	0.57	100.00

Total length of pavements on public streets, 601.12 miles.

NOTE.— In the above table the city is subdivided substantially on the boundary lines between the districts as they existed when annexed to Boston. Territory annexed from Brookline is included in city proper.

* Of this amount 0.02 mile equals asphalt blocks.

† Of this amount 27.63 miles equal granite block paving on concrete base, and 0.12 mile equals cobble.

‡ Of this amount 0.03 mile equals Hassam concrete pavement, and 0.06 mile equals Blome Granitoid concrete block pavement, and 0.08 mile equals Roman road pavement.

§ Of this amount 0.00 mile equals Endurite and 1.73 miles equal Topeka pavement.

‖ Of this amount 95.59 miles equal bituminous macadam.

5.81 miles public alleys laid out under chapter 298 of the Acts of 1898 included in this table.

6.25 miles public streets in charge of Park and Recreation Department included in this table.

1.61 miles public streets in charge of the Commonwealth of Massachusetts included in this table.

In addition to this table there are 1.34 miles of accepted foot passageways.

The following changes in pavement were made during the year:

0.00 mile or 31 square yards asphalt changed to granite block.
0.09 mile or 2,786 square yards asphalt changed to wood block.
0.00 mile or 83 square yards asphalt changed to brick.
0.84 mile or 15,102 square yards granite block changed to asphalt.
0.31 mile or 7,489 square yards granite block changed to wood block.
0.00 mile or 1,529 square yards granite block changed to brick.
0.00 mile or 23 square yards granite block changed to bitulithic.
0.64 mile or 8,866 square yards bitulithic changed to asphalt.
0.10 mile or 3,174 square yards bitulithic changed to wood block.
0.00 mile or 5 square yards bitulithic changed to brick.
0.09 mile or 552 square yards Endurite changed to asphalt.
2.52 miles or 100,731 square yards macadam changed to asphalt.
1.10 miles or 22,527 square yards macadam changed to granite block.
0.09 mile or 1,177 square yards macadam changed to wood block.
0.00 mile or 556 square yards macadam changed to brick.
0.61 mile or 9,085 square yards macadam changed to concrete.
0.00 mile or 68 square yards macadam changed to bitulithic.
0.33 mile or 6,230 square yards macadam changed to Topeka.
3.45 miles or 48,693 square yards gravel changed to asphalt.
0.01 mile or 8,876 square yards gravel changed to granite block.
0.00 mile or 28 square yards gravel changed to wood block.
0.07 mile or 933 square yards gravel changed to concrete.
0.00 mile or 6 square yards gravel changed to bitulithic.
0.46 mile or 6,282 square yards gravel changed to Topeka.
1.73 miles or 27,616 square yards gravel changed to macadam.
0.25 mile or 4,252 square yards not graded changed to asphalt.
0.00 mile or 1,499 square yards not graded changed to granite block.
0.17 mile or 4,816 square yards not graded changed to macadam.

Streets laid out or discontinued by the Street Commissioners during the year show:

Asphalt increased 0.01 mile or 76 square yards.
Granite block increased 0.21 mile or 3,278 square yards.
Concrete increased 0.12 mile or 1,262 square yards.
Bitulithic increased 0.00 mile or 3 square yards.
Topeka increased 0.00 mile or 18 square yards.
Macadam increased 0.00 mile or 209 square yards.
Gravel increased 3.85 miles or 56,866 square yards.
Not graded increased 0.75 mile or 24,205 square yards.

The taking of a portion of Mt. Vernon place by the state shows:

Macadam decreased 0.03 mile or 433 square yards.

The relocation and construction of North Beacon street at Charles River Reservation by the Metropolitan Park Commission shows:

Wood block increased 0.04 mile or 1,170 square yards.
Plank on bridges decreased 0.03 mile or 492 square yards.
Macadam decreased 0.02 mile or increased 92 square yards.

The construction of reserved space for street cars in Bennington street by the Boston Elevated Railway Company shows:

Macadam decreased 0.00 mile or 13,188 square yards.

Corrections on account of revision and other causes show:

Asphalt increased 0.00 mile or 52 square yards.
Granite block increased 0.03 mile or 32,662 square yards.
Wood block increased 0.01 mile or decreased 25 square yards.
Plank on bridges decreased 0.02 mile or 187 square yards.
Brick decreased 0.02 mile or 267 square yards.
Concrete increased 0.00 mile or 10 square yards.
Bitulithic increased 0.01 mile or decreased 219 square yards.
Macadam decreased 0.07 mile or 23,558 square yards.
Gravel increased 0.07 mile or 2,433 square yards.
Not graded increased 0.02 mile or 1,007 square yards.

LIST OF PERSONAL PROPERTY ON HAND JANUARY 31, 1918, AND ESTIMATED VALUE OF SAME, ALLOWING FOR DEPRECIATION.

Central Office.

1 automobile	$750 00
1 robe	10 00
Supplies for automobile	25 00
	$785 00

Bridge Service.

5 horses	$1,000 00
5 wagons	225 00
4 buggies	150 00
6 harnesses	50 00
8 blankets	10 00
4 robes	15 00
2 automobiles	700 00
1 auto truck	250 00
Supplies, tools and machinery	6,500 00
	$8,900 00

1 automobile and accessories, Strandway	$55 00

Ferry Service.

7 ferryboats	$196,455 00
Supplies, tools and machinery	16,000 00
	$212,455 00

Lighting Service. *

9,833	lamp-posts	$98,830 00
300	lamp brackets	300 00
1	automobile	250 00
1	robe	10 00
		$99,390 00

Paving Service.

1	large concrete mixer	$3,500 00
5	small concrete mixers	2,500 00
1	bituminous mixer, District 7	3,800 00
1	bituminous mixer, District 8	3,500 00
228	harnesses	2,280 00
8	automobiles	1,200 00
235	blankets	235 00
27	buggies	675 00
11	pungs	220 00
6	sleighs	225 00
13	jiggers	520 00
20	wagons	1,000 00
16	street watering carts	2,240 00
7	road scrapers	2,800 00
91	dump carts, 70 single, 21 double	9,100 00
113	horses	3,900 00
16	snow levels	640 00
9	section rollers	900 00
9	steam rollers	13,450 00
33	desks	330 00
1,453	picks	726 00
1,769	shovels	835 00
8	scarifiers	3,200 00
	Supplies, tools, machinery, surveying instruments, engineers' supplies, etc.	45,000 00
		$102,776 00

Sanitary Service.

3	automobiles	$900 00
3	auto trucks	4,500 00
287	horse blankets	287 00
18	buggies	450 00
218	carts	21,800 00
350	shovels	175 00
229	harnesses	4,380 00
195	horses	58,500 00
	Carried forward	$90,992 00

* One lot of inverted gas lamps, automatic lighters, post extensions and lamp accessories now stored and of no value except as junk.

Brought forward	$90,992 00
94 wagons	7,050 00
17 desks	170 00
9 sleighs	90 00
70 pungs and sleighs	1,400 00
2 scows	100 00
Supplies, tools, machinery, etc.	10,000 00
	$109,802 00

Street Cleaning and Oiling Service.

5 automobiles and 2 trucks	$3,500 00
130 carts	13,000 00
15 buggies	375 00
27 street watering carts	2,700 00
9 wagons	7,200 00
245 harnesses	4,900 00
180 horses	54,000 00
45 street sweeping machines	9,000 00
12 flushing machines	4,800 00
120 push carts	12,000 00
720 street-sweeping brooms	720 00
650 shovels	390 00
630 picks	315 00
9 snow plows and 19 road machines	7,500 00
Supplies, tools, machinery, etc.	10,000 00
	$130,400 00

Sewer Service.

521 picks	$260 50
7 automobiles	2,100 00
23 horses	6,900 00
19 wagons	950 00
9 buggies	180 00
11 carts	1,100 00
39 harnesses	585 00
38 blankets	38 00
12 sleighs	120 00
318 shovels	190 80
88 pails	44 00
Derricks, centrifugal pumps, dynamo, boilers, engineers' tools, machinery, instruments and supplies, etc.	450,000 00
	$462,468 30

Water Service.

1 motor cycle	$50 00
25 automobiles	7,500 00
38 horses	11,400 00
36 wagons	1,800 00
4 buggies	100 00
3 sleighs	45 00
11 pungs	110 00
Shovels, picks and miscellaneous stock, consisting of all kinds and sizes of iron water pipe, meters, hydraulic machinery, boiler, etc.	350,000 00
	$371,005 00

Real Property in Charge of the Bridge and Ferry Division.— Bridge Service.

Location.	Estimated Value of Land.		Estimated Value of Buildings.	Total Value.
	Per Foot.	Total.		
South Yard and Stable.				
170 Broadway extension, South Boston; 5,510 feet of land on Broadway extension and Dorchester avenue, on which is a brick building containing an office, workshop and stable; 1,176 square feet of this land is occupied by a convenience station.	$1 75	$9,600 00	$25,500 00	$35,100 00

Location.	Estimated Value of Buildings.	Total Value.
Broadway Bridge.		
Draw house and one storehouse	Draw house, $800; storehouse, $200	$1,000 00
Charlestown Bridge.		
Draw house, electrical power room and six storehouses *	Draw house, $3,000; power room, $1,000	4,000 00
Chelsea North Bridge.		
Draw house	$300	300 00
Chelsea South Bridge.		
Draw house, engine house and surface draw house	Draw house, $1,500; engine house, $100	1,600 00
Chelsea Street Bridge.		
Draw house	Draw house, $1,800	1,800 00

CONGRESS STREET BRIDGE.		
Draw house, storehouse and two shelter houses	Draw house, $1,000; storehouse, $100; shelter house, $500.	1,600 00
DOVER STREET BRIDGE.		
Draw house and two shelter houses	Draw house, $1,000; shelter houses, $500	1,500 00
DORCHESTER AVENUE BRIDGE.		
Draw houses, tool sheds, two motor houses and one controller house	Draw house, $1,000; motor houses, $300; tool house, $200; controller house, $25.	1,525 00
GRANITE AVENUE BRIDGE.		
Tool house and controller house	Tool house, $100; controller house, $100	200 00
L STREET BRIDGE.		
Draw house and engine house	Draw house, $1,000; engine house, $500	1,500 00
MERIDIAN STREET BRIDGE.		
Draw house and tool house	Draw house, $2,500; tool house, $100	2,600 00
NEPONSET BRIDGE.		
Tool house	$150	150 00
NORTHERN AVENUE BRIDGE.		
Draw house, containing a power room and storage room for compressed air and tool house	Draw house, $4,500; tool house, $100	4,600 00

* Five leased to M. P. Coleman for $1,265 per year; lease expires January 31, 1918.

Real Property in Charge of the Bridge and Ferry Division.— Bridge Service.— *Concluded.*

Location.	Estimated Value of Buildings.	Total Value.
Summer Street Bridge.		
Draw house, controller house, two shelter houses and tool house	Draw house, $3,000; controller house, $250; shelter houses, $500; tool house, $100.	$3,850 00
Warren Bridge.		
Stable, draw house, containing an engine room and boiler room and a tool house	$3,500	3,500 00
Warren avenue between Water street and the railroad, used by Election Department for storage of election booths.		
Western Avenue Bridge to Watertown.		
Tool house	$200	200 00

Real Property in Charge of the Bridge and Ferry Division.— Ferry Service.

Location.	Estimated Value of Land.		Estimated Value of Buildings.	Total Value.
	Per Foot.	Total.		
South Ferry, East Boston side, located at the termination of Lewis street. On these premises are one headhouse with canopies, one workshop for carpenters, machinists and blacksmiths, one storehouse, one coal pocket, three piers which form the two slips, two drops and tanks, one wharf and dock.	* 33,196 at $1 75 † 4,700 at 2 00 * 16,879 at 1 50 † 2,000 at 1 75	$96,300 00	$43,000 00	$139,300 00
South Ferry, Boston side, located at the termination of Eastern avenue. On these premises are one headhouse with canopies, one gate room, three piers which form the two slips and two drops and tanks.	25,500 at 2 00	51,100 00	74,900 00	126,000 00
North Ferry, East Boston side, located at the termination of Border street. On these premises are one headhouse with canopies, one boiler, one coal pocket, three piers which form the two slips and two drops and tanks.	† 18,876 at 2 00 * 42,262 at 1 75	111,800 00	58,000 00	169,800 00
North Ferry, Boston side, located at the termination of Battery street. On these premises are one headhouse with canopies, one gate room, three piers which form the two slips and two drops and tanks.	† 10,511 at 3 50 * 34,600 at 2 00	106,000 00	69,000 00	175,000 00
‡ Eastern avenue, No. 60, adjoining South Ferry Headhouse, Boston side. Upon this lot is a house and office building owned by Patrick J. Connolly.				

* Wharves and docks. † Solid. Land leased to Patrick J. Connolly for $200 per year.

Real Property in Charge of the Highway Division.— (Lighting Service.)

Location.	Estimated Value of Land.	Estimated Value of Buildings.	Total Value.
Lot of land, containing 8,000 square feet, at 690 Albany street	$10,000 00	$1,000 00	$11,000 00

Real Property in Charge of the Highway Division.— Paving Service.

Location.	Estimated Value of Land.		Estimated Value of Buildings.	Total Value.
	Per Foot.	Total.		
South Boston.				
Columbia road, corner of H street, stable, carriage house, shed, tool house and office built by the city on land containing 12,017 square feet ,rented from William H. Hart.	$0 40	$4,800 00	$900 00	$5,700 00
Columbia road, corner Hamlin street, lot of land used for storage purposes, containing 6,710 square feet, owned by Frank E. Briggs and rented from Charles P. Mooney, agent.	25	1,800 00	.....	1,800 00
East Boston.				
[1] East Eagle street, corner Glendon street, sheds, stable and office building erected by the city on wharf property containing 326,700 square feet, leased in 1915 from Renton Whidden for a term of one year, for the sum of $1,800. This property is used jointly with the Sewer, Sanitary, Street Cleaning and Oiling Services.*	.....	130,100 00	8,300 00	138,400 00
Charlestown.				
Medford street, foot of Elm street, wharf property containing 44,700 square feet (Sur. Prog. 968), owned by the city. Upon this lot are a shed, stable and office building.	75	33,400 00	8,600 00	42,000 00
Brighton.				
Chestnut Hill avenue, ledge lot containing 569,776 square feet (L 1,630), purchased in 1882 by the city. Upon this lot are stone crusher, stable, shed and office building and oil plant.	15	79,800 00	5,500 00	85,300 00
West Roxbury.				
Child street, lot of land containing 43,024 square feet, owned by the city. Upon this lot are sheds, stable and office building. (See Sewer Service.)	45	19,300 00	3,500 00	22,800 00
Morton street, near Canterbury street, lot of land containing 14,484 square feet, owned by the city and used for storage purposes.	10	1,400 00	.....	1,400 00
Centre street, rear of 1932, lot of land used for storage purposes, hired for $180 per year.				

Hancock street, opposite Bowdoin street, lot of land known as the almshouse lot, containing 104,132 square feet, which belonged to the town of Dorchester at the time of annexation. Upon this land are two stables, office, shed and tool house, used in part by Street Cleaning Service.	18	19,000 00	8,000 00	27,090 00
Downer avenue, lot of land containing 35,300 square feet, was purchased in 1871 to protect the almshouse lot. (Seven lots.)	8c. and 10c.	3,300 00	.....	3,300 00
Codman street, ledge lot containing 299,000 square feet, was purchased in 1870. Upon this lot is a shed containing steam engine and stone crusher, also a stable and tool house; 111,423 square feet additional bought in 1907 by the city.	05	20,600 00	3,000 00	23,600 00
ROXBURY.				
Highland street, lot of land containing 195,129 square feet, owned by the city. Upon this lot is a large brick stable erected in 1873–74 and used by the Sanitary, Street Cleaning and Paving Services; also a brick building used as a blacksmith shop and a shed for storage purposes. (See Sanitary Service.)	40	78,160 00	51,000 00	129,100 00
SOUTH END.				
Albany street, No. 636, opposite Sharon street, wharf lot, containing 63,200 square feet, owned by the city. Upon this lot are stables, office, blacksmith and carpenter shops.	1 25	79,000 00	3,800 00	82,800 00
Wharf lot adjoining the above, containing 39,511 square feet, owned by the city and used for storage purposes and receiving station for Sanitary Service. These wharves are owned by the city.	90	35,800 00	6,200 00	42,000 00
Massachusetts avenue, near Magazine street, lot of land containing 1,452,628 square feet, rented from New York, New Haven & Hartford Railroad Company and used for storage purposes.*	80	1,162,100 00	26,400 00	1,188,500 00
NORTH END.				
Commercial street, No. 521, wharf lot, containing 23,667 square feet, owned by the city. Upon this lot is a stable, shed and office building.	2 35	55,300 00	15,700 00	71,000 00
HYDE PARK.				
Hyde Park avenue, lot containing 18,773 square feet, owned by the city, used in part by police station. On this lot is an office, stable and shed.†	1 00	18,800 00	22,200 00	41,000 00

[1] Expired January 31, 1918.

* These estates are only partly occupied by City of Boston.

† These estates are only partly occupied by the Paving Service.

Real Property in Charge of the Highway Division.— Sanitary Service.

Location.	Estimated Value of Land.		Estimated Value of Buildings.	Total Value.
	Per Foot.	Total.		
South Boston.				
H and Second streets, stable and sheds, containing 8,590 square feet. Leased from E. M. & M. J. Mahoney.	30c. and 40c., land 8,590 feet.....	$2,900 00	$2,500 00	$5,400 00
Dorchester.				
South street, near Freeport street, lot of land taken in 1912 for refuse transfer station. Completed January 4, 1913.	37,990 feet valued as part of 78,458 feet at $0.08.	About $7,600 00	67,000 00	74,600 00
Roxbury.				
Massachusetts avenue and Southampton street, weighing shed, containing about 2,300 square feet of land, leased from the Boston Consolidated Gas Company at $10 dollars per month.				
Ward street, northerly side, near N. Y., N. H. & H. R R., containing 12,500 square feet. (See letter of Street Commissioners, January 6, 1914.)	35,553 square feet at $0.30.....	About $10,700 00	20,000 00	30,700 00
Highland street, situated in the old almshouse block, containing 81,082 square feet. Upon this lot are stable, sheds, carriage house, oil plant, etc. A part of this stable and lot is used by the Paving Service and Street Cleaning and Oiling Service.*	.....	78,100 00	51,000 00	129,100 00

SOUTH END.				
Albany street, No. 650, containing 90,800 square feet. Upon this lot are stables, buildings, sheds, veterinary hospital, blacksmith, wheelwright, paint and harnessmakers' shops, also a horseshoeing shop used in part by the Street Cleaning and Sewer Services.	.....	114,000 00	29,000 00	143,000 00
Albany street, No. 636, refuse transfer station, which was completed March 21, 1913.*				
North Grove street, stables, sheds, etc., containing 45,152 square feet. On May 11, 1896, a horseshoeing shop was established, used in part by the Street Cleaning and Oiling Service.	$2.25.....	101,600 00	62,500 00	164,100 00
NORTH END.				
Fort Hill Wharf, containing 20,750 square feet and used as a dumping station for the city's garbage and refuse. On this wharf a refuse transfer station was erected in 1912.	14,150 feet at $12; 2,800 feet at $3; 3,800 feet at $1.50.	183,900 00	65,000 00	248,900 00

* See Paving Service.

Real Property in Charge of the Highway Division.— Street Cleaning and Oiling Service.

Location.	Estimated Value of Land.		Estimated Value of Buildings.	Total Value.
	Per Foot.	Total.		
South Boston.				
Yard and stable at 124 Old Harbor street, corner of Columbia road, leased by the city from D. W. Creed at $75 per month.				
East Boston.				
Part of stable on East Eagle street. (See Paving Service.)				
Charlestown.				
Part of stable at 263 Rutherford avenue; office building, Rutherford avenue; stable at 245–249 Rutherford avenue, now occupied under lease for $600 per year by Timothy F. Callahan.	$0 60	$22,100 00	$8,300 00	$30,400 00
Roxbury.				
Oil plant and part of stable on Highland street. (See Sanitary Service.)				
South End.				
Part of stable at 650 Albany street. (See Sanitary Service.)				
Back Bay.				
Land at 62 Piedmont street, rented by city from Laurence Minot at $10 per month; booth loaned by Election Commissioners used as an office on above land.	3 00			
Brick building, 47 Winchester street, leased for $600 per year from Eleanor W. Daggett.....	2 62½			
West End.				
Part of stable on North Grove street. (See Sanitary Service.)				
Dorchester.				
Gibson street, land and buildings. (See Water and Sewer Services.)				

Real Property in Charge of the Highway Division.— Sewer Service.

Location.	Estimated Value of Land.	Estimated Value of Buildings.	Total Value.
SOUTH BOSTON.			
Summer street, underground pumping station.			
EAST BOSTON.			
East Eagle street, yard and buildings leased from Renton Whidden, part of rental paid by this service. (See Paving Service.)			
BRIGHTON.			
Yard, Western avenue. (See Water Service.)			
WEST ROXBURY.			
Child and South streets, yard and buildings occupied in common with Paving Service. (See Paving Service.).....	$19,300 00	$3,500 00	$22,800 00
DORCHESTER.			
Gibson street, land, 28,097 square feet.....	8,400 00	.....	8,400 00
Old Harbor Point, land and buildings, including pumping station, 22¼ acres; 45,729 square feet, more or less, on the westerly side of Mt. Vernon street, exchanged with the Boston Consolidated Gas Company for 51,000 square feet, more or less, on the easterly side of Mt. Vernon street.	188,600 00	617,500 00	806,100 00
SOUTH END.			
Albany street, No. 678, yard and buildings, 42,000 square feet.....	56,400 00	3,000 00	59,400 00
Massachusetts avenue, near Albany street, land and buildings, 7,385 square feet.....	5,200 00	500 00	5,700 00
Union Park street, corner Albany street, pumping station, containing 4,167 square feet of land.....	6,300 00	70,000 00	76,300 00
HYDE PARK.			
Milton avenue, pumping station.			
BACK BAY FENS.			
Gatehouse.....	.....	12,000 00	12,000 00
MOON ISLAND AND SQUANTUM.			
Land, buildings and reservoirs. Upland in Squantum, 19.5 acres; upland on Moon Island, 37.65 acres; flats about Moon Island and Squantum, 131 acres.			

Real Property in Charge of the Highway Division.— Water Service.

Location.	Estimated Value of Land.		Estimated Value of Buildings.	Total Value.
	Per Foot.	Total.		
East Boston.				
Eagle Hill reservoir, with a capacity of 5,600,000 gallons. Area of property, 220,875 square feet.	$0 30	$66,300 00	$400 00	$66,700 00
Condor street, formerly East Boston pumping station, now used as district headquarters and containing 40,000 square feet filled and 78,000 square feet flats. Includes strip of filled land and flats containing 42,000 square feet taken by Metropolitan Water Board, March 26, 1900.	25,000 at $0.60 93,000 at $0.15	15,000 00 13,900 00	8,000 00	36,900 00
High service tank, Orient Heights, capacity 122,000 gallons. Area of property, 11,394 square feet.	$0 10	1,100 00	5,000 00	6,100 00
Charlestown.				
Medford street, corner Tufts street, containing 13,050 square feet. Upon this lot are a workshop and stable.	50	6,500 00	4,000 00	10,500 00
Brighton.				
Western avenue, lot of land containing 135,350 square feet		9,200 00	5,500 00	14,700 00
West Roxbury.				
Williams street, Jamaica Plain, Nos. 110 and 112, land and buildings used as district headquarters, rented from Thomas Minton for $600 per year.				
Washington street and Metropolitan avenue, lot of land. Area of property, 12,895 square feet,	14	1,800 00	8,000 00	9,800 00
Dorchester.				
Gibson street, corner Bispham street, land and buildings, 21,250 square feet		6,400 00	6,000 00	12,400 00

ROXBURY.				
Heath and Lawn streets, strip of land containing 5,707 square feet	25	1,425 00	.....	1,425 00
SOUTH END.				
Albany street, No. 710, containing 98,100 square feet. Upon this lot are a machine shop, stable, wharf and pipe yard.	.....	91,000 00	117,000 00	208,000 00
HYDE PARK.				
Fairmount reservoir, with a capacity of 1,500,000 gallons * Fairmount standpipe, with a capacity of 500,000 gallons. Area of property, 5 acres	04½	9,801 00		
Water street, pumping station and lot of land. Area of property, 934,951 square feet	05	46,700 00	5,000 00	51,700 00
Winthrop street, No. 48. Upon this lot are a building, two sheds and a stable. Leased from Henry S. Bunton, trustee for Robert Bleakie, for $100 per year.	.....	.....	.....	700 00
Sprague street, bordering Sprague pond, lot of land containing 16,128 square feet	.....	500 00	.....	500 00
BROOKLINE.				
Pipe route, from Beacon street to Boylston street. Area of property, 163,000 square feet. (Acquired by Metropolitan Water and Sewerage Board in 1915.)	15	2,500 00	.....	2,500 00
WINTHROP.				
Strip of land at Point Shirley containing 7,725 square feet	01	77 25	.....	77 25
DEDHAM.				
Paradise lane, containing 12.5 acres. Upon this lot is a pumping station	.....	7,000 00	2,000 00	9,000 00

* 206,020 square feet in Boston, balance in Milton.

EMPLOYEES.

The following tables show the number of requisitions made on the Civil Service Commission for men; the number appointed, reinstated, died, resigned, discharged and retired; also the grade and number of employees in the department:

Requisitions made on the Civil Service Commission	60
Requisitions canceled	9
Number of men called	229
Number of men certified	291
Number of men appointed	233
Provisional appointments made permanent	32
Promotions allowed	25
Reinstatements allowed	* 17
Number of men resigned	34
Number of men died	80
Number of Civil War veterans retired	3
Number of laborers retired	35
Number of transfers to other departments	19
Number of transfers from other departments	51
Number of Civil War veterans retired, died	14
Number of laborers retired, died	40

The records of the department show that there are now 3,261 persons eligible for employment in the several divisions and of that number 3,121 were upon the January, 1918, pay rolls.

* Seven of these men were on the eligible list February 1, 1917.

Grade and Number of Employees.

TITLE.	SERVICES.									
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Lighting.	Water.	Total.
Commissioner	1	....	....	....	....	....	....	....	....	1
Division engineers	....	1	....	....	....	....	1	....	1	3
Engineers in charge	....	....	1	....	....	....	....	....	2	3
Chief clerk	1	....	....	....	....	....	....	....	....	1
Clerks	42	16	7	2	1	1	2	1	38	110
Messengers	1	1	....	....	....	....	....	....	2	4
Chief engineers (civil)	....	1	1	....	....	....	....	....	....	2
Assistant engineers (civil)	....	14	20	....	....	....	8	....	6	48
Draughtsmen	....	12	44	....	....	....	9	....	5	70
Instrumentmen	....	6	34	....	....	....	7	....	5	52
Rodmen	....	19	47	....	....	....	8	....	9	83
Inspectors	....	41	65	44	37	....	15	....	40	242
Foremen	....	11	4	8	10	....	....	....	13	46
Subforemen	....	32	7	....	4	....	2	....	1	46
Investigator	....	....	1	....	....	....	....	....	....	1
Addressograph printer	....	....	....	....	....	....	....	....	1	1
Blacksmiths and assistants	....	9	2	18	....	....	....	....	3	32
Boilermaker	....	....	....	....	....	1	....	....	....	1
Bracers and assistants	....	....	10	....	....	....	....	....	....	10
Blueprinters	....	....	2	....	....	....	1	....	....	3
Boys	2	2	....	....	....	....	....	....	....	4
Chauffeurs	1	4	5	2	3	....	4	1	9	29
Carpenters and assistants	....	22	4	3	....	4	14	....	9	56
Chief inspectors	....	1	....	....	1	....	....	....	1	3
Chemist and assistant	....	2	....	....	....	....	....	....	....	2
Claim agent	1	....	....	....	....	....	....	....	....	1
Cement tester and assistant	....	....	2	....	....	....	....	....	....	2
Coal passers	....	....	8	....	....	....	....	....	....	8
Cashiers	....	1	....	....	....	1	....	....	....	2
Constable and inspector	....	1	....	....	....	....	....	....	....	1
Drawtenders and assistants	....	....	....	....	....	....	140	....	....	140
Deckhands	....	....	....	....	....	27	....	....	....	27
Driver	....	1	....	....	....	....	....	....	....	1
Carried forward	49	197	264	77	56	34	211	2	145	1,035

Grade and Number of Employees.— *Continued.*

TITLE.	SERVICES.									
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Lighting.	Water.	Total.
Brought forward	49	197	264	77	56	34	211	2	145	1,035
Engineer (gasolene)	....	1	....	....	....	....	....	....	....	1
Engineers (steam)	....	11	7	....	....	12	....	....	1	31
Electricians	....	....	1	....	....	1	1	....	1	4
Firemen	....	1	8	....	....	44	....	....	2	55
Chief engineer (steam)	....	....	1	....	....	....	....	....	....	1
Gatemen	....	....	4	....	....	15	....	....	....	19
General foremen	....	1	1	....	1	1	....	....	3	7
Harnessmakers and assistants	....	....	....	9	....	....	....	....	....	9
Horseshoers	....	....	....	8	....	....	....	....	....	8
Inspectors, castings	....	....	....	....	....	....	....	....	2	2
Janitors (scrub)	....	....	....	1	....	3	1	....	2	7
Janitresses	....	....	....	....	....	7	....	....	....	7
Joiners	....	....	....	....	....	3	....	....	....	3
Laborers and helpers	....	332	72	....	177	10	1	....	166	758
Lamplighters	....	....	....	....	....	2	....	1	....	3
Machinists and assistants	....	....	4	....	....	1	1	....	19	25
Meter testers	....	....	....	....	....	....	....	....	8	8
Meter readers	....	....	....	....	....	....	....	....	27	27
Masons (stone and brick)	....	....	13	....	....	....	....	....	....	13
Medical inspectors	....	1	....	1	....	....	....	....	....	2
Oilers	....	....	17	....	....	12	....	....	....	29
Patternmakers	....	....	....	....	....	1	....	....	1	2
Pavers and assistants	....	83	....	....	....	....	....	....	....	83
Plumbers and assistants	....	....	....	1	....	....	....	....	46	47
Painters	....	1	1	11	....	3	4	....	....	20
Captains	....	....	....	....	....	12	....	....	....	12
Property inspector	1	....	....	....	....	....	....	....	....	1
Quartermasters	....	....	....	....	....	12	....	....	....	12
Repairers	....	....	....	....	....	....	....	....	59	59
Roofer	....	....	....	....	....	1	....	....	....	1
Rammers	....	20	....	....	....	....	....	....	....	20
Rigger	....	....	....	....	....	1	....	....	....	1
Carried forward	50	648	393	108	234	175	219	3	482	2,312

Grade and Number of Employees.—*Concluded.*

TITLE.	SERVICES.									
	Central Office.	Paving.	Sewer.	Sanitary.	Street Cleaning.	Ferry.	Bridge.	Lighting.	Water.	Total.
Brought forward	50	648	393	108	234	175	219	3	482	2,312
Sealers	....	....	....	....	....	....	....	....	2	2
Sewer flushers	....	....	4	....	....	....	....	....	....	4
Supervisors	1	....	....	....	1	....	2	....	....	4
Stenographers	2	1	1	....	....	....	....	1	....	5
Stonecutters	....	14	2	....	....	....	....	....	....	16
Superintendent	....	....	1	....	....	....	....	....	1	2
Deputy	....	....	....	....	....	....	....	....	1	1
Stockkeepers	....	....	....	1	....	1	....	....	3	5
Stablemen	....	31	4	33	28	....	5	....	14	115
Tankman	....	....	....	....	....	1	....	....	....	1
Teamsters	....	69	16	338	206	....	3	....	24	656
Telephone operator	....	....	....	....	....	....	....	....	1	1
Tollmen	....	....	....	....	....	12	....	....	....	12
Toolman	....	1	....	....	....	....	....	....	....	1
Chief veterinarian	....	1	....	....	....	....	....	....	....	1
Watchmen	....	16	22	13	3	....	4	....	12	70
Weighers and assistants	....	1	....	3	....	....	....	....	....	4
Wharfinger and assistants	....	1	....	4	....	....	....	....	....	5
Wharfmen	....	....	....	3	....	....	....	....	....	3
Wheelwrights and assistants	....	....	....	8	....	....	....	....	....	8
Yardmen	....	8	4	6	7	....	....	....	8	33
Totals	53	791	447	517	479	189	233	4	548	3,261

Comparative Table Showing the Number of Employees Actually Employed February 1, 1917, and February 1, 1918.

	Central Office.	Bridge.	Ferry.	Lighting.	Paving.	Sanitary.	Sewer.	Street Cleaning and Watering.	Water.	Total.
February 1, 1917.....	51	227	188	4	740	493	381	438	510	3,032
February 1, 1918.....	51	226	189	4	761	481	428	456	525	3,121
Total Eligible Force.										
February 1, 1917.....	53	232	188	4	756	520	394	464	527	3,138
February 1, 1918.....	53	233	189	4	791	517	447	479	548	3,261

Table of Employees Showing Appointments, Transfers, Resignations, Retirements, Deaths, Etc., During the Year.

Died.	Retired Laborers.	Retired Veterans.	Transferred to Other Departments.	Transferred to Other Services.	Resigned.	Discharged.	February 1, 1917.	SERVICES, 1917–18.	January 31, 1918.	Transferred from Other Services.	Transferred from Other Departments.	Reinstated.	Appointed.
....	.....	....	.....	2	....	....	53	Central Office.....	* 53	1	1	.....	.....
6	1	1	1	9	6	....	232	Bridge.....	233	8	1	1	15
3	3	1	3	10	....	....	188	Ferry.....	189	8	8	.....	5
....	.....	....	.....	.....	....	....	4	Lighting.....	4	.....	.....	.....	.....
23	10	1	3	13	16	....	756	Paving.....	791	58	8	2	33
10	6	....	1	54	....	....	520	Sanitary.....	517	15	5	2	46
8	4	....	4	46	....	....	464	Street Cleaning.....	479	28	8	.....	41
13	2	....	5	15	4	....	394	Sewer.....	447	16	7	1	68
17	9	....	2	10	8	....	527	Water.....	548	25	13	4	25
80	35	3	19	159	34	....	3,138	Totals.....	3,261	159	51	10	233

* Includes eight Central Office employees who are paid on Water Service pay roll.

Respectfully submitted,

E. F. MURPHY,
Commissioner of Public Works.

PART II.

APPENDICES.

APPENDIX A.

Central Office.

Appropriation		$76,531 63
Expenditures from February 1, 1917, to January 31, 1918		73,965 70
		$2,565 93
Transferred to Sanitary Service	$1,989 35	
Transferred to Paving Service	539 08	
Transferred to Lighting Service	37 50	
		$2,565 93

Expenditures.

Salary, commissioner		$9,000 00
Salaries of clerks, stenographers, supervisor of contracts, etc.		58,911 78
Automobile expense:		
Wages of chauffeur	$1,092 00	
Tubes and tires, new and repairs,	359 54	
Gasolene	330 71	
Storage	180 00	
Repairs	357 80	
Supplies	47 10	
Battery	46 38	
Oil, grease, etc.	17 90	
Registration	15 00	
		2,446 43
Books, papers, etc.		402 34
Printing		2,145 43
Stationery		593 16
Postage		257 11
Telephone tolls		16 10
Premium on surety bonds		6 00
Travel expenses		187 35
		$73,965 70

APPENDIX B.

REPORT OF THE DIVISION ENGINEER OF THE BRIDGE AND FERRY DIVISION.

BOSTON, February 1, 1918.

MR. EDWARD F. MURPHY,
Commissioner of Public Works:

DEAR SIR,— I respectfully submit the following report of the income, expenditures and operation of the Bridge and Ferry Division for the year ending January 31, 1918. The expenditures of the division in the regular maintenance appropriations of the department were $681,788.46. In addition to the regular maintenance work the division supervised the expenditure of $151,640.51 under a number of special appropriations, making the total expenditures for the year credited to the Bridge and Ferry Division, $833,428.97.

BRIDGE SERVICE.

Considerable construction work has been done in the maintenance of bridges as well as some new construction. Detailed descriptions of the more important construction jobs are given in the accompanying statement.

Apportionment of Cost of Bridges Between Boston and Chelsea.— The special commission appointed under the acts of the Legislature to apportion the cost of these bridges made a report to the Supreme Court, which issued a decree confirming the report, but the city of Chelsea has appealed the case to the Supreme Court of the United States and final decision in the case has not yet been rendered.

Brookline Avenue Bridge (over Boston & Albany Railroad).— A contract was let for the reconstruction of this bridge, but owing to the delays in the delivery of materials work could not be started on the site of the bridge although some fabrication has been done in the steel. The work will undoubtedly be completed some

time during the coming year. The cost of this bridge will be apportioned among the several parties interested.

Franklin Street Subway (under the Boston & Albany Railroad).

Harrison Avenue Bridge (over the Boston & Albany Railroad).

The railroad company reconstructed both this subway and bridge and petitioned for an apportionment of the cost before special commissions appointed by the Superior Court. The special commissions made their decisions but both cases have been appealed to the Supreme Court, which has not yet made a decision. It is probable, however, that the City of Boston will be compelled to make some payments on the construction of both of these bridges.

Malden Bridge.— The engineering force of the division has inspected the work on the foundations and on the pile bridge. All construction work on this bridge is being paid for by the Boston Elevated Railway Company. The work will probably be completed during the coming year. This work is being done in accordance with chapter 777 of the Acts of 1913.

Summer Street Bridges (over Fort Point Channel and A Street).— The Board of Food Administration of this state desired to run heavy express cars from the new Fish Pier in South Boston over Summer street. This required the strengthening of Summer Street Bridges over Fort Point channel and A street A contract has been let for the strengthening of the draw span over Fort Point channel and work is now in progress on the job. Bids have been called for for strengthening the fixed spans of Summer Street Bridges over Fort Point channel and A street. Undoubtedly work will be completed this coming spring on the strengthening of these structures.

Winthrop Bridge.— The final settlement of the cost of Winthrop Bridge has not yet been made on account of an outstanding claim not yet settled.

FERRY SERVICE.

A contract was made for partially repairing the piers but owing to the delays in delivery of materials the work has not yet been completed under this contract.

A contract was also let for installing ventilating systems on six of the ferryboats. Some materials could not

be obtained by the contractor in time to complete the contract and as a result the work under this contract is not yet completed.

A more detailed statement of construction work is given on pages 96 to 101.

MISCELLANEOUS.

The Strandway improvement, owing to various reasons, has not yet been completed although the sewerage works were finished on October 27, 1917.

RECOMMENDATIONS FOR 1918.

Bridge Service.

Belgrade Avenue Bridge (formerly Beech Street Bridge). — The matter of rebuilding the bridge over the New York, New Haven & Hartford Railroad at Belgrade avenue, West Roxbury, is before the Public Service Commission for a decision as to the necessity of rebuilding. The work should be done during the coming year.

Broadway Bridge (over the Boston & Albany Railroad). — The floor of this bridge should be entirely rebuilt. The Public Service Commission has ordered the alteration of this bridge and the parties at interest, namely the City of Boston, the Boston & Albany Railroad and the Boston Elevated Railway Company, have agreed that the City of Boston shall rebuild the bridge but as yet no appropriation has been made. Car travel is now forbidden on the bridge and unless something is done in the near future all kinds of travel over the bridge will have to be discontinued.

Chelsea Bridge South.— Some preliminary studies have been made for this structure and the work of designing should be completed during the coming year. It would be undesirable to build this bridge, if it can be avoided, until the prices of materials for doing work of this kind decrease.

Norfolk Street Bridge (over Midland Division, New York, New Haven & Hartford Railroad).— This bridge should be widened and moved to correspond to the widening of Norfolk street and the matter should be brought before the Public Service Commission to determine as to who should do the work and as to the apportionment of the cost.

Warren Bridge.— The under-planking and stringers of this bridge are in bad condition, having been in place for

about thirty-four years. Work on the repairs to the woodwork and on the repaving should be begun during the coming year, if money can be found available. The cost would probably amount to $125,000.

Signals for Safeguarding Travel at Highway Drawbridges.— Owing to the difficulty of getting equipment during the past year a large part of the work for safeguarding travel at highway drawbridges could not be done. The work should be continued during this coming year.

Navigation Signal Lights.— Some of the bridges have been equipped with signal lights but there still remains some work to be done and this work should be continued.

Ferry Service.

Plans should be made for a new boat, as has been recommended for some years past.

A new boiler should be installed on the ferryboat "Hugh O'Brien," as the present boiler has been condemned by the United States steamboat inspectors. Although this boat is thirty-five years old the hull is in good condition and the installation of a new boiler would postpone the building of a boat to take the place of the "Hugh O'Brien" for some years.

The ferryboat "General Sumner," which was badly burned on the night of December 29, 1917, should be repaired as soon as possible. The repairs will take about five or six months and as the "O'Brien" will go out of service in the fall of 1918, owing to the improbability of getting a new boiler by that time, it is extremely desirable that the repairs to the "Sumner" be made.

REPORT IN DETAIL.

A detailed report of the operation and expenditures of the Bridge and Ferry Division during the year is appended herewith.

Respectfully submitted,

JOHN E. CARTY,
Division Engineer.

BRIDGE SERVICE CONSTRUCTION WORK, 1917–1918.

Blue Hill Avenue Bridge (over Midland Division, New York, New Haven & Hartford Railroad).

Under date of July 19, 1917, a contract was made with John B. Dolan for planking the roadways of this bridge. All the sheathing, the under-planking, wheel guards and the planking covering the bottom chords of the trusses were entirely removed, new 2-inch spruce sheathing and 4-inch yellow pine under-planking were laid and new wheel guard timbers placed. The railroad company at the same time replaced nearly all of the roadway stringers with new yellow pine timber and painted the floor beams of the bridge.

The Boston Elevated Railway Company also renewed such of its track stringers as were found to be in poor condition and relaid the flooring between the rails of its tracks.

The total cost of the work done by the city was $7,195. The work was carried on so that unrestricted travel was maintained at all times on one roadway. The work was completed September 27, 1917.

Boylston Street Bridge (over the Boston & Albany Railroad).

The flooring of this bridge has been rebuilt during the year under a contract with Goff & Wells Construction Company, dated June 26, 1917, and was completed July 26, 1917, at a total cost of $3,852.44.

The entire roadway between the girders was replanked except a strip in the center about 22 feet wide and 175 feet long, maintained by the Boston Elevated Railway Company.

Two-inch spruce was used for sheathing and 3-inch yellow pine for the lower planking. Such stringers as were in poor condition were replaced with new yellow pine timber.

Later the Boston Elevated Railway Company laid new girder rails and rebuilt the center portion of the roadway, so that now an entire new flooring has been put on this bridge.

Chelsea North Draw.

On September 11, 1917, this draw was rammed by a large collier. The damage done was very serious and but for the fact that the draw was moving at the time would probably have resulted in completely disabling it. The sidewalk was demolished and damaged for about 100 feet and the bottom chord of one of the trusses bent and distorted. Car travel on the bridge was limited until the repairs were made, which was as soon as the material could be procured. The work was done by the Boston Bridge Works, Incorporated.

Dorchester Avenue Bridge.

The machinery for operating the draws of this bridge was installed in 1891, and the motors, Thompson-Houston F-40, and the electrical control have become obsolete. The electrical control in particular was very badly worn and in a dangerous condition. In June, under a contract with Carlisle-Connor Company, the old operating house was enlarged, new controllers and resistance, together with a slate switch board carrying the required instruments, fuses, switches, etc., was installed, making a convenient and modern outfit with a saving of power sufficient to pay for the expense of the change in a few years. This work was prosecuted in such a manner as not to interfere with the operation of the draws at any time and was finished in July, 1917, at a cost of $767.

Dover Street Bridge.

The draw of this bridge, which is comparatively light, with considerable exposed surfaces to the wind, has always been hard to center and hold in position. In order to remedy this and to save time in the operation two spring latches, one on either end, were installed in June and July of last year. These latches are a new device and have proven very successful in holding the draw and saving in time of operation. The work was done under a contract with the R. & S. Machine Company for the sum of $728.

Jones Avenue Footbridge.

Under an order approved April 20, 1916, the Street Commissioners laid out a footway 15 feet in width, between Norfolk street and Ballou avenue, Dorchester,

which included the bridge over the tracks of the Midland Division, New York, New Haven & Hartford Railroad Company.

Negotiations were begun with the railroad company in May, 1916, but because of various delays in reaching a satisfactory agreement, work was not commenced until June 21, 1917, although a contract had been made with the Goff & Wells Construction Company, approved January 11, 1917.

The structure as built consists of a timber trestle approach from Norfolk street to the bridge over the railroad tracks, about 207 feet long, a steel plate girder bridge, 58 feet 6 inches long, a flight of wooden stairs, about 50½ feet long, and an artificial stone walk, about 69½ feet long, from the foot of the stairs to the line of Ballou avenue. The total length of the footway measured on its center line is 385.45 feet.

The timber trestle forming the approach from Norfolk street has twelve bays, each 16 feet long, carrying a walk 7 feet 1½ inches wide in the clear between fences. The surface of the walk is 2-inch yellow pine plank resting on five lines of 10-inch stringers, the outside stringers being 4 inches wide and the others 3 inches wide. The stringers are supported by frame timber bents of 8-inch by 8-inch posts with 8-inch by 8-inch caps, cross-braced with 3-inch by 8-inch plank. The posts are set in 2-foot square concrete bases sunk from 4 to 5 feet in the ground. The approach has a gradient of 6.7 feet per 100 feet.

The approach from Ballou avenue for a length of about 69 feet has an artificial stone walk 8 feet wide, with a gradient of about 6.35 feet per 100 feet.

From the end of this walk to the level of the bridge floor, a height of about 20 feet, wooden stairs in three flights are provided, which rest on timber trestle bents similar in construction to those of the other approach. The bridge over the railroad tracks consists of two plate girders 3 feet 6½ inches deep, spaced 8 feet on centers. The floor beams of 8-inch I-beams are suspended from the girders by riveted angle hangers, so designed as to enable all parts to be easily inspected and painted. The floor is of 2-inch plank resting on three lines of 3-inch by 10-inch stringers, the lengths of panels being 9 feet 9 inches. The girders are supported on steel trestles, that at the Norfolk street end having two 8-inch H-beams and that at the other end an 8-foot square

trestle pier made of four 8-inch H-beams, riveted angle cross bracing being used for both piers. All columns have concrete masonry foundations extending about 6 feet into the ground. All timber used in the structure is yellow pine, exposed surfaces being planed and painted.

The work was completed October 8, 1917, and the total amount paid under the contract was $8,231.

Massachusetts Avenue Bridge (Over New York, New Haven & Hartford Railroad).

When the deck of the middle portion of this bridge was taken up for renewal, the floor beams were found to be so badly deteriorated from the action of the gases and the blasts of the locomotives that it was thought advisable to take them out and put in new ones. On account of the time required to obtain plates and angles, rolled beams were used instead of built up beams. The work was done under a contract with Daniel Marr & Son Company for the sum of $2,027, and was completed in September, 1917.

Walworth Street Bridge (over Providence Division, New York, New Haven & Hartford Railroad).

The approaches to this bridge were widened in 1908 providing sidewalks on both sides of the street, except at the portion over the railroad location. As the bridge over the railroad tracks is maintained by the railroad company no sidewalks were added at that time.

Under an agreement with the railroad company, approved by the Public Service Commission, two timber sidewalks, each 5 feet wide, have been built the past year by the city adjoining the old wooden bridge and gravel walks supported by timber bulkheads have also been built at both sides connecting with the sidewalks on the street.

The work was done under a contract with Goff & Wells Construction Company, dated October 5, 1917, at a cost of $1,125.

Drawbridge Safety Signals.

During the year there have been installed at Chelsea North Draw two units of the Brach Automatic Flagman, so called, consisting of electrically operated red flash lights and gong bells. These are located about 100 feet in front of and connected with the roadway gates through an automatic switch, so that as soon as the gates start

to close the signals are put in operation and remain so until the gates are fully open.

At Meridian Street Bridge there have been installed two units of the Railway Supply Company wigwag signals. These consist of an oscillating target with red lights and a gong bell electrically operated through a snap switch by the gateman turning on the current before he closes the gate and turning it off after the gate is open.

At Broadway Drawbridge there have been installed two units consisting of an X-ray light and a gong bell. These are electrically connected so that they work automatically with the gates, as described for the Brach signals at Chelsea North Draw.

Some work has been done at Summer Street Draw but owing to inability to secure bells and supplies this work is not yet completed.

Repairing Fender Guards at the Following Bridges: Chelsea Bridge North, Congress Street, Northern Avenue, Summer Street over Fort Point Channel and Summer Street over Reserved Channel.

Under date of May 8, 1917, a contract was made with W. H. Ellis & Sons Company, for repairing the fender piers and fender guards at certain drawbridges in the city. All the work under this contract was completed August 7, 1917, the total amount paid being $4,695.96. The following is a brief statement of the work done at each bridge:

Chelsea Bridge North.— The southerly face of the draw fender pier, near its center, where it had been badly damaged by vessels passing through the channelway, was put in good condition and a small amount of work done at the upstream end of the same pier. The upstream end of the northerly fender pier was also repaired, spur shores refitted and corner irons replaced. The total cost of the work on this bridge was $384.92.

Congress Street Bridge.— The easterly face of the draw fender pier and the downstream end of that pier were patched where necessary with yellow pine plank and strengthened with new timber where nccessary and corner irons replaced. The total cost of the work on this bridge was $552.92.

Northern Avenue Bridge.— The vertical planking on the easterly face of the draw fender pier, from the draw

to the downstream end, was removed and the face rebuilt with heavy timber wales instead of planking. At the end, all the vertical planking which had been badly damaged was replaced with new planking and the westerly face patched where necessary, loose spur shores refitted and the corner irons put in good condition. The total cost of this work was $886.36.

Summer Street Bridge (over Fort Point Channel.— The fender guard on the upstream side of the bridge, near the channelway on the South Boston side, was rebuilt, some new piles driven and spur shores refitted. The planking on the channel face of the draw fender pier where found to be in damaged condition was replaced with new yellow pine plank, thoroughly secured by oak tree-nails. The total cost of this work was $774.68.

Summer, formerly L, Street Bridge (over Reserved Channel).— The wing on the upstream side of channel was entirely rebuilt with new piles and new yellow pine timber and the corners heavily protected with steel plates. The timber foundation for the landing shoe at the end of the upstream girder of the draw was replaced by new timber securely bolted in place and the shoe carefully reset. The bulkhead on the channel face of the draw pit was put in good condition and the downstream end of the draw fender was also repaired and the corners protected by plates. The total cost of work at this bridge was $1,097.08.

Navigation Lights.— Navigation lights have been installed, in compliance with the United States Government regulations, on Summer (formerly L) Street and Chelsea Street Bridges. Submarine cable and electrical appliances for this work have been very hard to procure. On Summer Street Bridge, with a retractile draw, there have been installed four draw span lights and four pier lights. Current for the draw lights is transferred to the draw by means of a trolley and trolley wire. At Chelsea Street Bridge four draw and five pier lights were installed. The mechanical part of this installation was done by the R. & S. Machine Company at a cost of $443 and the electrical part by the Carlisle-Connor Company for the sum of $1,214, making a total of $1,657. This makes in all eleven bridges now equipped with navigation lights.

FERRY SERVICE.

A contract was made with William S. Rendle, dated June 26, 1917, for repairing the piers of the North and South Ferries at both Boston and East Boston landings. On account of delay in obtaining materials, especially long oak piles, work did not commence until September 24, 1917.

Because of the continued difficulty in securing proper material, the work has not made the progress that would have been possible under normal conditions and the time for its completion has been extended to April 1, 1918.

At the date of this report the north pier of the Boston landing of the North Ferry, which had been crowded over so that the top had considerable inclination outward from the slip, had been pulled over until the face was vertical, new piles were driven on the back side to hold the pier in position and an entire new head was built. Some new piles also were driven at the drop end of this pier and new oak girders and chocks supplied where deemed necessary.

The middle pier at this landing was extended about 8 feet, under a license from the Commission on Waterways and Public Lands, the old head being removed. In constructing the new head an attempt was made to increase the strength of the connection between the clump of piles at the extreme end and the body of the pier by using built girders in place of the usual single oak sticks. This flitch girder had two 6-inch by 12-inch yellow pine sticks with a steel plate 10 inches by $\frac{5}{8}$ inch by 20 feet long inserted between the sticks and securely bolted to them. To increase their bearing area a number of the piles in the middle of the clump were lagged for the portion of their length, which was driven into the clay bottom. This head was bound with $\frac{7}{8}$-inch diameter wire cable, instead of chain as has been done heretofore.

At the East Boston landing of the North Ferry the heads of the middle and south piers have been entirely rebuilt and both clumps have been rechained. Work

is now in progress on the head of the middle pier at the East Boston landing of the South Ferry.

The ferryboat "John H. Sullivan" was pulled out into the dry dock, bottom cleaned, scraped and painted. Some riveting of plates was done and some calking of seams.

The ferryboat "Governor Russell" was pulled on to the railway, her hull cleaned, metal sheathing patched, seams calked and some necessary repairs made to the rudders. The propeller blades were also found to be badly bent and six new blades were put in place of the old ones.

The "D. D. Kelly" was pulled on to the railway. The copper work was entirely stripped off, the seams were calked and the bottom painted. Some repairs were made to the keel and the rudders were also repaired. Some patches were also put on the boiler. It was discovered that the decking and some of the deck beams were in bad condition, also the guard and some of the sponson braces, and a contract was let in January for the repairs and work is under way on this contract.

The "General Sumner" had the Boston end extensively repaired. This boat was pulled up on the railway in December and repairs made on the rudders. The propeller blades which were in bad condition were straightened out and two new blades inserted in place of two of the worst ones. The metal sheathing was patched and some calking of the seams was done. While on the railway the boat caught fire on the night of December 29, 1917, and was badly burned. Some of the cross frames were burned, a large amount of the piping was destroyed, some damage was done to the steel trusses and the entire superstructure, consisting of the cabins, monitor and pilot houses was gutted so that it was necessary to tear the superstructure down.

The ferryboat "Hugh O'Brien" required repairs to the air pump and condenser. The rudder of this boat was badly damaged by the ice, due to the extremely cold weather and the rudder on the Boston end was rebuilt.

The ferryboat "Noddle Island," when out for inspection, was found to require repairs to some of the woodwork under the boilers, the woodwork being in very bad shape, and these repairs were made.

A contract was let for installing ventilating systems on six ferryboats. The piping on the contract was entirely finished and three of the engines delivered, but

the rest of the material required for work on this contract has not been received and so the work is not yet completed.

Some rather extensive repairs were made at the water end of the North Drop, North Ferry, Boston side.

The wharf at the coal pocket, South Ferry, is in a dangerous condition and repairs should be made to same.

The Fire Department has recommended the installation of cross-walls and fireproofing, if possible, the interior of the coal sheds. This is work that will involve a considerable expenditure of money but should be done if money is available.

BRIDGE SERVICE.

FINANCIAL STATEMENT.

Expenditures from Maintenance Appropriation.

Bridge Service:		
Boston bridges	$304,720 63	
Boston and Cambridge bridges	21,587 66	
		$326,308 29

Total Expenditures.

From maintenance appropriation	$326,308 29	
From special appropriations	149,607 84	
From Strandway and Old Harbor Improvement	234,274 02	
		$710,190 15

EXPENDITURES ON BOSTON BRIDGES.

(1.)	Administration:			
	Salaries:			
	Division engineer		$3,750 00	
	Supervisors		4,814 28	
	Engineers and draughtsmen		19,447 77	
	Clerk and stenographer		1,460 00	
	Inspectors		2,705 00	
	Medical inspector		83 33	
	Pensions:			
	Veterans	$4,354 84		
	Laborers	806 00		
			5,160 84	
	Holiday time		926 80	
	Vacations (mechanics)		1,559 48	
	Time lost account of injury		400 29	
	Paid to employees in service of United States		579 58	
				$37,139 44
	Printing, postage and stationery			848 83
	Travel expenses			287 62
	Telephones			146 27
	Furnishings			21 95
	Engineers' supplies and instruments			198 16
	Typewriter inspection			30 00
	Miscellaneous office expenses			126 80
				$38,799 07

(2.)	Yard and Stockroom:			
	Yard:			
	Employees: Clerk, janitor and watchmen		$3,049 84	
	Bridge cleaners		2,529 50	
			$5,679 34	
	Light		126 60	
	Fuel		333 79	
	Supplies		5 52	
	Repairing building		78 32	
				$6,223 57
	Stockroom (lumber, nails and supplies for bridges)			7,133 60
	Stable:			
	Wages of stablemen		$4,878 75	
	Feed and straw		1,245 31	
	Shoeing and clipping horses		294 01	
	Veterinary		30 00	
	Harness and repairs to same		35 50	
	Repairs to vehicles		1,015 06	
	Stable supplies		28 18	
				7,526 81
				$20,883 98
(3.)	Automobiles:			
	Division engineer:			
	Wages of chauffeur		$777 00	
	Storage	$190 00		
	Repairs	574 09		
	Supplies	85 06		
	Gasolene	219 19		
	New tires and tubes	272 55		
	Repairs, tires and tubes	15 50		
	Registration	10 00		
			1,366 39	
				$2,143 39
	Supervisor of Bridges:			
	Wages of chauffeur		$1,028 38	
	Storage	$180 00		
	Repairs	250 86		
	Supplies	63 41		
	Gasolene	220 35		
	New tires and tubes	109 09		
	Repairs, tires and tubes	28 00		
	Registration	10 00		
			861 71	
			$1,890 09	
	New Ford touring car		219 85	
				2,109 94
	Auto truck:			
	Gasolene	$201 18		
	Repairs	54 79		
	Supplies	39 51		
	New tires and tubes	66 00		
			$361 48	
	New truck		1,632 55	
				1,994 03
				$6,247 36

(4.) BRIDGES.

Expenditures on Tide Water Bridges.

BRIDGES.	Draw-tenders' Salaries.	REPAIRS.			Supplies and Miscellaneous Expenses.	Total.
		Mechanics' Wages.	Material.	Repair Bills.		
Broadway	$10,034 65	$342 25	$250 82	$1,487 56	$277 91	$12,393 19
Charlestown	12,784 99	890 11	627 28	908 21	607 68	15,818 27
Chelsea North	10,520 40	1,422 72	154 89	1,882 33	634 96	14,615 30
Chelsea South	10,217 58	2,304 26	1,521 86	102 16	234 77	14,380 63
Chelsea Street	8,198 31	625 33	261 98	552 90	306 45	9,944 97
Congress Street	10,550 09	1,364 94	927 50	821 86	752 89	14,417 28
Dorchester Avenue	10,012 27	794 81	335 71	1,210 42	299 99	12,653 20
Dover Street	10,048 96	986 81	920 24	1,351 17	202 93	13,510 11
L Street	10,091 94	685 79	1,212 65	2,195 87	188 64	14,374 89
Malden	10,074 69	678 18	208 18	303 54	222 18	11,486 77
Meridian Street	10,449 36	1,262 57	244 13	929 26	258 33	13,134 65
Neponset	3,521 06	348 01	98 69	162 53	37 40	4,167 69
Northern Avenue	11,333 49	2,225 33	3,179 28	4,007 77	4,095 64	24,841 51
Summer Street	10,206 16	918 72	560 69	1,923 96	313 18	13,922 71
Warren	10,029 67	1,067 66	438 90	818 10	1,154 16	13,508 49
Western Avenue to Watertown	399 17	201 14	8 64	.....	.....	608 95
Totals	$148,472 79	$16,118 63	$10,951 44	$18,648 64	$9,587 11	$203,778 61

Repairs on Inland Bridges.

BRIDGE.	Labor and Material.
Albany street (over Boston & Albany Railroad passenger tracks)	$74 26
Albany street (over Boston & Albany freight tracks)	249 13
Allston Bridge	1,938 18
Ashland street	160 24
Austin street	87 02
Baker street	35 24
Beacon street (over Boston & Albany Railroad)	347 96
Bennington street	529 03
Berkeley street	27 43
Blakemore street	650 21
Blue Hill Avenue	7,392 30
Boston street	882 27
Boylston street	4,202 48
Broadway (over Boston & Albany Railroad)	624 83
Brookline avenue	363 66
Byron street	1,629 57
Cambridge street (over Boston & Maine Railroad)	25 25
Canterbury street	18 75
Columbia road (over railroad)	11 25
Columbus avenue	367 71
Commercial Point	133 64
Curtis street	31 56
Dartmouth street	89 84
Dorchester avenue (over railroad)	1,354 32
Everett street	391 08
Fairmount avenue (Hyde Park)	516 44
Gainsborough street	17 75
Gold street	137 90
Harvard street	1,029 38
Huntington avenue	17 16
Hyde Park avenue (Mother Brook)	21 25
Hyde Park avenue (Stony Brook)	82 20
Massachusetts avenue (Providence Division)	2,510 22
Mystic avenue	76 86
New Allen street	45 00
Norfolk street (North)	11 50
Carried forward	$26,082 87

Repairs on Inland Bridges.—Concluded.

BRIDGE.	Labor and Materials.
Brought forward	$26,082 87
Norfolk street (South)	488 24
Oakland street	35 50
Redfield street	274 03
Saratoga street	21 71
Shawmut avenue	75 78
Southampton street (over railroad)	1,171 43
Sprague street	1,548 98
Spring street	54 90
Summer street (over A street)	245 92
Tollgate way	3 55
Walworth street	956 25
Webster street	24 89
West Fourth street	744 77
West Newton street	18 28
Miscellaneous:	
Labor, removing snow and sweeping bridges	2,529 50
Labor of mechanics on Granite Avenue Bridge	105 50
Labor of mechanics on Liberty Arch, Central square, East Boston	229 55
Total	$34,611 65

(5.) Public Landing, East Boston:
Rent $399 96

SUMMARY OF EXPENDITURES.

(1)	Administration	$38,799 07
(2)	Yard, stable and stockroom	20,883 98
(3)	Automobiles	6,247 36
(4)	Bridges	238,390 26
(5)	Public landings	399 96
	Total maintenance expense	$304,720 63

EXPENDITURES FROM SPECIAL APPROPRIATIONS.

BROADWAY BRIDGE (OVER BOSTON & ALBANY RAILROAD).

Engineering	$412 92	
Printing specifications	43 76	
		$456 68

BROOKLINE AVENUE BRIDGE.

Engineering	$1,830 20	
Miscellaneous: printing, advertising, photographing	67 93	
		$1,898 13

CHELSEA BRIDGE SOUTH.

Engineering		$36 11	
Miscellaneous, traveling expenses, etc.		250 94	
			$287 05

MALDEN BRIDGE.

Paid Hugh Nawn Contracting Company on contract for reconstruction of bridge		$72,254 20	
Paid McClintic-Marshall Company on contract for construction of draw		70,746 52	
			$143,000 72

SPRING STREET BRIDGE.

Paid Clark & Gore on contract for building bridge	$16,220 00		
Less amount paid to February 1, 1917	13,357 32		
		$2,862 68	
Paid New England Cement Gun Company for cement work		64 93	
Paid George T. Rendle Company on contract for building approach	$1,479 00		
Less amount paid to February 1, 1917	1,116 13		
		362 87	
Miscellaneous expenditures (screens, cables, rent and photographing)		672 78	
			$3,963 26

STRANDWAY AND OLD HARBOR IMPROVEMENT.

Engineering	$14,416 60		
Inspection	10,083 18		
		$24,499 78	
Services of janitor		195 00	
Office expenses:			
Printing, postage, stationery	$495 40		
Telephones and travel expenses	169 97		
Furnishings	141 31		
		806 68	
Castings		737 80	
Boat		100 00	
Building repairs		104 61	
Lumber		68 71	
Fuel		48 75	
Miscellaneous		615 73	
Photographing		365 80	
Engineers' supplies, tools, instruments, etc.		1,190 23	
Automobile expenses:			
Storage	$152 00		
Repairs	744 21		
Supplies	139 97		
Gasolene and oil	271 99		
Tires and tubes	430 92		
Registration	15 00		
		1,754 09	
			$30,487 18
Paid New York State Dredging Corporation on contract for dredging, filling, grading, sewerage works, etc.			186,207 43
Paid James L. Pierce on contract for constructing artificial stone sidewalks			2,501 41
Paid James L. Pierce for borings			15,078 00
Total expended			$234,274 02

SUMMARY.

Expended from Special Appropriations in Charge of Bridge Service.

	Balances from 1916.	Total Credits for 1917.	Expended 1917.	Total Expended to January 31, 1918.	Balances Unexpended, January 31, 1918.
Broadway Bridge (over Boston & Albany Railroad)	$3,840 61	$3,840 61	$456 68	$616 07	$3,383 93
Broadway Bridge, rebuilding	7,045 80	7,045 80	.....	128,122 93	7,045 80
Brookline Avenue Bridge	.....	55,000 00	1,898 13	1,898 13	53,101 87
Chelsea Bridge South	20,031 92	20,031 92	287 05	72,122 77	19,744 87
Malden Bridge	.....	143,441 18	143,002 72	200,561 15	440 46
Meridian Street Bridge	15,152 62	1,330 98	.....	.....	1,330 98
Spring Street Bridge	1,639 42	5,639 42	3,963 26	21,823 84	1,676 16
Winthrop Bridge	4,466 56	4,466 56	.....	50,533 44	4,466 56
Strandway and Old Harbor Improvement	593,875 58	593,875 58	234,274 02	239,398 44	359,601 56
Totals	$646,052 51	$834,672 05	$383,881 86	$715,076 77	$450,792 29

LIST OF BOSTON BRIDGES.

I. — BRIDGES WHOLLY MAINTAINED BY BOSTON.

[In the list those marked with an asterisk (*) are over navigable waters, and are each provided with a draw.]

In Charge of Bridge and Ferry Division.

Allston, over Boston & Albany Railroad at Cambridge street, Brighton.
Ashland street, over New York, New Haven & Hartford Railroad, Providence Division, West Roxbury.
Athens street, over New York, New Haven & Hartford Railroad, Midland Division.
B street (footbridge), over Neponset river, Hyde Park.
Baker street, at Brook Farm, West Roxbury.
Beacon street, over outlet to Back Bay Fens.
Beacon street, over Boston & Albany Railroad.
Bennington street, over Boston, Revere Beach & Lynn Railroad.
Berkeley street, over Boston & Albany Railroad.
Blakemore street, over New York, New Haven & Hartford Railroad, Providence Division.
Bolton street, over New York, New Haven & Hartford Railroad, Midland Division.
Boylston street, over Boston & Albany Railroad.
Broadway, over Boston & Albany Railroad.
* Broadway, over Fort Point channel.
Brookline avenue, over Boston & Albany Railroad.
Brooks street, Brighton.
Byron street, over Boston, Revere Beach & Lynn Railroad.
Charlesgate, in Fens, over Ipswich street.
* Charlestown, from Boston to Charlestown.
* Chelsea South (temporary), over south channel, Mystic river.
* Chelsea street, from East Boston to Chelsea.
Columbus avenue, over Boston & Albany Railroad.
* Commercial Point, or Tenean, Dorchester.
* Congress street, over Fort Point channel.
Dana avenue, over Neponset river, Hyde Park.
Dartmouth street, over Boston & Albany Railroad.
* Dorchester avenue (formerly Federal street), over Fort Point channel.
* Dover street, over Fort Point channel.
Fairmount avenue, over Neponset river, Hyde Park.
Ferdinand street, over Boston & Albany Railroad.
Florence street, over Stony brook, West Roxbury.
Gainsborough street (footbridge), over New York, New Haven & Hartford Railroad, Providence Division.
Glenwood Avenue East (footbridge), over Neponset river, Hyde Park.

Glenwood Avenue West, over Mother brook, Hyde Park.
Gold street, over New York, New Haven & Hartford Railroad, Midland Division.
Gove street (footbridge), over Boston & Albany Railroad, East Boston.
Huntington avenue, over Boston & Albany Railroad.
Huntington avenue, over Stony brook, Hyde Park.
Hyde Park avenue, over Mother brook (at woolen mill), Hyde Park.
Hyde Park avenue, over Stony brook, West Roxbury.
Hyde Park avenue, over Stony brook (near Clarendon Hill Station), Hyde Park.
Ipswich street, in Fens, over waterway.
Irvington street (footbridge), over New York, New Haven & Hartford Railroad, Providence Division.
* Malden, from Charlestown to Everett.
Massachusetts avenue, over Boston & Albany Railroad.
Massachusetts avenue, over New York, New Haven & Hartford Railroad, Providence Division.
* Meridian street, from East Boston to Chelsea.
Metropolitan avenue (near Clarendon Hills Station), Hyde Park.
Newburn street, over Stony brook, Hyde Park.
* Northern avenue, over Fort Point channel.
Pembroke street, formerly Berwick park (footbridge), over New York, New Haven & Hartford Railroad, Providence Division.
Shawmut avenue, over Boston & Albany Railroad and New York, New Haven & Hartford Railroad, Providence Division.
Southampton street, over South bay sluice.
Summer street, over A street.
Summer street, over B street.
Summer street, over C street.
* Summer street, over Fort Point channel.
* Summer street, over Reserved channel, South Boston.
Tollgate way (footbridge), over Providence Division, from Washington street to Hyde Park avenue, Forest Hills.
* Warren, from Boston to Charlestown.
West Newton street, over New York, New Haven & Hartford Railroad, Providence Division.
West River street, over Mother brook, Hyde Park.
West Rutland square (footbridge), over New York, New Haven & Hartford Railroad, Providence Division.
Wordsworth street (footbridge), over Boston, Revere Beach & Lynn Railroad, East Boston.

In Charge of Bridge and Ferry Division and Park and Recreation Department.

Columbia road, over New York, New Haven & Hartford Railroad, Old Colony Division.
Columbia road, over Shoreham street.

In Charge of Park and Recreation Department.

Agassiz road, in Fens.
Audubon road, in Riverway, over Boston & Albany Railroad.
Berners street (footbridge), over Bridle path in Riverway.
Boylston street, in Fens, over waterway.
Bridle path, in Riverway, over Muddy river.
* Castle Island (footbridge), in Marine Park, South Boston, to Castle Island.
Charlesgate, in Fens, over Boston & Albany Railroad.
Circuit drive, over Scarboro pond, in Franklin Park.
Commonwealth avenue, in Fens, over waterway.
Cottage Farm, over Boston & Albany Railroad, at Commonwealth avenue.
Ellicott Arch, in Franklin Park.
Fens, in Fens.
Forest Hills entrance, in Franklin Park.
Leverett pond (footbridge), in Olmsted Park.
Neptune road, in Wood Island Park, over Boston, Revere Beach & Lynn Railroad.
Public Garden (footbridge).
Scarboro pond (footbridge), in Franklin Park.
Wood Island (footbridge), in Wood Island Park.

II.— BRIDGES OF WHICH BOSTON MAINTAINS THE PART WITHIN ITS LIMITS.

In Charge of Bridge and Ferry Division.

Central avenue, from Dorchester to Milton.
* Chelsea North, from Charlestown to Chelsea.
Milton, from Dorchester to Milton.
* Neponset, from Dorchester to Quincy.
Paul's Bridge, over Neponset river, Hyde Park.
Spring street, from West Roxbury to Dedham.
* Western avenue, from Brighton to Watertown.
Winthrop, from Breed's Island to Winthrop.

In Charge of Park and Recreation Department.

Bellevue street, in the Riverway, over Muddy river.
Berners street (footbridge), over Muddy river.
Brookline avenue, in the Riverway, over Muddy river.
Huntington avenue, in the Riverway, over Muddy river.
Longwood avenue, in the Riverway, over Muddy river.

III.— BRIDGES OF WHICH BOSTON PAYS A PART OF THE COST OF MAINTENANCE.

In Charge of Bridge and Ferry Division.

Albany street, over Boston & Albany Railroad (over freight tracks).
Ashmont street and Dorchester avenue, over New York, New Haven & Hartford Railroad, Old Colony Division.

Harvard street, over New York, New Haven & Hartford Railroad, Midland Division.
Morton street, over New York, New Haven & Hartford Railroad, Midland Division.
Norfolk street, over New York, New Haven & Hartford Railroad, Midland Division, near Dorchester station.
Pleasant street, over the subway.
Walworth street, over New York, New Haven & Hartford Railroad, Providence Division.

In Charge of Commissioners for Boston and Cambridge Bridges.

Anderson Bridge, from Brighton to Cambridge.
Brookline street, from Brighton to Cambridge.
Cambridge, from Boston to Cambridge.
* Cambridge street, from Brighton to Cambridge.
* Harvard, from Boston to Cambridge.
* Prison Point, from Charlestown to Cambridge.
* Western avenue, from Brighton to Cambridge.

In Charge of Commissioners for Granite Avenue Bridge.

* Granite avenue, from Dorchester to Milton.

IV.— BRIDGES OF WHICH BOSTON MAINTAINS THE WHOLE OR A PART OF THE WEARING SURFACE.

In Charge of the Bridge and Ferry Division.

Austin street, over Boston & Maine Railroad, Charlestown.
Bennington street, over Boston & Albany Railroad.
Blue Hill avenue, over New York, New Haven & Hartford Railroad, Midland Division.
Boston street, over New York, New Haven & Hartford Railroad, Old Colony Division.
Brookline street, Brighton to Cambridge, portion over Boston & Albany Railroad.
Cambridge street, Charlestown, over Boston & Maine Railroad.
Chelsea, over Boston & Maine Railroad.
Curtis street, East Boston, over Boston & Albany Railroad.
Dana avenue, over New York, New Haven & Hartford Railroad, Midland Division, Hyde Park.
Dorchester avenue, over New York, New Haven & Hartford Railroad, Old Colony Division.
Everett street, over Boston & Albany Railroad, Brighton.
Fairmount avenue, over New York, New Haven & Hartford Railroad, Midland Division, and Station street, Hyde Park.
Glenwood Avenue West, over passageway connecting land of the New York, New Haven & Hartford Railroad, Hyde Park.
Hyde Park avenue, over proposed electric connection between Midland and Providence Division, New York, New Haven & Hartford Railroad, Hyde Park.

Maverick street, East Boston, over Boston & Albany Railroad.
Milton street, Hyde Park, over New York, New Haven & Hartford Railroad.
Mystic avenue, over Boston & Maine and Boston & Albany Railroads.
New Allen street, Hyde Park, over New York, New Haven & Hartford Railroad.
Norfolk street, over New York, New Haven & Hartford Railroad, Midland Division, near Blue Hill Avenue Station.
Oakland street, over New York, New Haven & Hartford Railroad, Midland Division, Mattapan.
Perkins street (footbridge), over Boston & Maine Railroad.
Porter street, over Boston & Albany Railroad.
Prescott street, over Boston & Albany Railroad.
Redfield street, at Neponset, over New York, New Haven & Hartford Railroad, Old Colony Division.
Reservoir road, Brighton, over Boston & Albany Railroad, Newton Branch.
Saratoga street, over Boston & Albany Railroad.
Saratoga street, over Boston, Revere Beach & Lynn Railroad, East Boston.
Southampton street, over New York, New Haven & Hartford Railroad, Old Colony Division.
Sprague street, over New York, New Haven & Hartford Railroad, Midland Division, and branch of Providence Division, Hyde Park.
Summer street, over New York, New Haven & Hartford Railroad, Midland Division.
Sumner street, East Boston, over Boston & Albany Railroad.
Webster street (footbridge), East Boston, over Boston & Albany Railroad.
West Fourth street, over New York, New Haven & Hartford Railroad, Old Colony Division.

V.— BRIDGES MAINTAINED BY METROPOLITAN PARK COMMISSION.

* Charles River Dam.
Mattapan, over Neponset river.
* North Beacon street, from Brighton to Watertown.

VI.— BRIDGES WHOLLY MAINTAINED BY RAILROAD CORPORATIONS.

1st.— Boston & Albany.

Albany street (over passenger tracks).
Harrison avenue.
Market street, Brighton.
Tremont street.
Washington street.

2d.— Boston & Maine and Boston & Albany Railroads.
Main street.

3d.— Boston & Maine Railroad, Eastern Division.
Wauwatosa avenue, East Boston.

4th.— Boston, Revere Beach & Lynn Railroad.
Everett street.

5th.— New York, New Haven & Hartford Railroad, Midland Division.
Dorchester avenue.
East River street, at River Street Station, Hyde Park.
Silver street.
Washington street, Dorchester.
West Broadway.
West Fifth street.
West Fourth street.
West Second street.
West Sixth street.
West Third street.

6th.— New York, New Haven & Hartford Railroad, Old Colony Division.
Adams street.
Cedar Grove Cemetery.
Medway street.
Savin Hill avenue.

7th.— New York, New Haven & Hartford Railroad, Providence Division.
Albany street.
Baker street, West Roxbury.
Beech street, West Roxbury.
Bellevue street, West Roxbury.
Berkeley street.
Broadway, South Boston.
Canterbury street, West Roxbury.
Castle square.
Centre and Mt. Vernon streets, West Roxbury.
Columbus avenue.
Dartmouth street.
Gardner street, West Roxbury.
Harrison avenue.
Park street, West Roxbury.
Washington street.
West street, Hyde Park.
West River street, Hyde Park.

VII.— BRIDGES MAINTAINED BY THE UNITED STATES GOVERNMENT.

* Victory Bridge (over Neponset River), from Dorchester to Quincy.

RECAPITULATION OF BRIDGES.

I.	Number wholly maintained by Boston:		
	In charge of Bridge and Ferry Division	64	
	In charge of Bridge and Ferry Division and Park and Recreation Department	2	
	In charge of Park and Recreation Department	18	
		—	84
II.	Number of which Boston maintains the part within its limits:		
	In charge of Bridge and Ferry Division	8	
	In charge of Park and Recreation Department	5	
		—	13
III.	Number of which Boston pays a part of the cost of maintenance:		
	In charge of Bridge and Ferry Division	7	
	In charge of Commissioners for Boston and Cambridge Bridges	7	
	In charge of Commissioners for Granite Avenue Bridge	1	
		—	15
IV.	Number of which Boston maintains the whole or a part of the wearing surface		33
V.	Number maintained by Metropolitan Park Commission		3
VI.	Number maintained by railroad corporations:		
	1. Boston & Albany Railroad	5	
	2. Boston & Maine and Boston & Albany Railroads	1	
	3. Boston & Maine Railroad, Eastern Division	1	
	4. Boston, Revere Beach & Lynn Railroad,	1	
	5. New York, New Haven & Hartford Railroad, Midland Division	10	
	6. New York, New Haven & Hartford Railroad, Old Colony Division	4	
	7. New York, New Haven & Hartford Railroad, Providence Division	18	
		—	40
Total number			188

Table Showing the Widths of Channelways for Vessels in all Bridges Provided with Draws in the City of Boston in January, 1918.

NAME OF BRIDGE.	Location.	Number of Channelways.	Width.
* Anderson	Brighton to Cambridge	1	45 feet 0 inches.
Boston Elevated Railway	Boston to East Cambridge	1	45 " 0 "
Boston & Maine Railroad, Eastern Division.	Boston to Charlestown	1	39 " 8 "
Boston & Maine Railroad, Eastern Division.	Over Miller's river	1	35 " 0 "
Boston & Maine Railroad, Fitchburg Division.	Boston to Charlestown	1	36 " 0 "
Boston & Maine Railroad, Fitchburg Division (for teaming freight).	" "	1	36 " 7 "
Boston & Maine Railroad (freight), Southern Division.	Boston to East Cambridge	1	40 " 0 "
Boston & Maine Railroad (passenger), Southern Division.	" "	1	39 " 8 "
Boston & Maine Railroad, Western Division.	Boston to Charlestown	1	39 " 4 "
Boston & Maine Railroad, Western Division.	Over Miller's river	1	35 " 6 "
Broadway	Over Fort Point channel	1	50 " 0 "
† Brookline street	Brighton to Cambridge	1	40 " 0 "
† Cambridge	Boston to Cambridge	1	50 " 0 "
Cambridge street	Brighton to Cambridge	1	36 " 6 "
Charles River Dam (lock)	Boston to East Cambridge	1	45 " 0 "
Charlestown (main channel)	Boston to Charlestown	2	50 " 0 "
Charlestown (north channel)	" "		49 " 9 "
Chelsea (north channel)	Charlestown to Chelsea	2	125 " 0 "
Chelsea (south channel)	" "	1	48 " 0 "
Chelsea street	East Boston to Chelsea	1	60 " 0 "
Commercial Point (or Tenean)	Dorchester	1	24 " 0 "
Congress street	Over Fort Point channel	1	50 " 0 "
Dorchester avenue	" "	1	41 " 3 "
Dover street	" "	1	40 " 6 "
Grand Junction Railroad	Brighton to Cambridge	1	39 " 3 "
Grand Junction Railroad	East Boston to Chelsea	1	60 " 0 "
Granite avenue	Dorchester to Milton	1	50 " 0 "
Harvard (Boston side)	Boston to Cambridge	2	36 " 7 "
Harvard (Cambridge side)	" "		37 " 0 "

* Drawless channelway; clear headroom of 12 feet above basin level (about elevation 8.0).
† Drawless channelway; clear headroom of 28 feet above basin level.

Table Showing Widths of Channelways, etc.— *Concluded.*

NAME OF BRIDGE.	Location.	Number of Channelways.	Width.
L street	Over Reserved channel, South Boston.	1	39 feet 3 inches.
Malden	Charlestown to Everett	1	50 " 0 "
Meridian street	East Boston to Chelsea	1	100 " 0 "
Neponset	East Boston to Chelsea	1	36 " 0 "
New York, New Haven & Hartford Railroad.	Over Fort Point channel	1	41 " 8 "
New York, New Haven & Hartford Railroad, Plymouth Division.	Dorchester to Quincy	1	51 " 0 "
North Beacon street	Brighton to Watertown	1	30 " 0 "
Northern avenue	Over Fort Point channel	2	75 " 3 "
Prison Point	Charlestown to Cambridge	1	37 " 4 "
Summer street	Over Fort Point channel	1	50 " 0 "
Victory	Dorchester to Quincy	1	50 " 0 "
Warren	Boston to Charlestown	1	36 " 0 "
Western avenue	Brighton to Cambridge	1	36 " 0 "
Western avenue	Brighton to Watertown	1	36 " 0 "

Table Showing Number of Vessels Passing through Drawbridges, February 1, 1917, to January 31, 1918.

Bridge.	Steamers.			Sailing Vessels.			Tugs.			Barges.			All Others.			Total Number of Vessels.			Total Number of Cargoes.	Total Number of Openings.
	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.		
Broadway	60	1	61	169	2	171	3,953	88	3,141	628	24	652	1,301	57	1,358	5,211	172	5,383	1,147	1,789
Charlestown	.....	.....	.....	130	1	131	1,847	130	1,917	596	46	642	753	482	1,235	3,326	659	3,985	973	1,730
Chelsea North	857	113	970	123	4	127	10,434	1,758	12,192	994	30	1,024	5,417	1,448	6,865	17,825	3,353	21,178	4,482	7,577
Chelsea South	21	5	26	97	4	141	5,539	442	5,981	169	2	171	3,473	261	3,734	9,299	714	10,013	2,693	4,813
Chelsea street	3	.....	3	5	3	8	2,138	1,086	3,224	10	5	15	2,174	761	2,935	4,330	1,855	6,185	1,361	3,565
Congress street	166	5	171	240	10	250	4,598	474	5,072	703	43	746	1,634	151	1,785	7,341	683	8,024	1,144	4,285
Dorchester avenue	45	5	50	166	5	171	2,952	212	3,164	644	33	677	1,322	134	1,456	5,129	389	5,518	1,166	2,936
Dover street	46	5	51	163	4	167	2,899	173	3,072	635	30	665	1,254	100	1,354	4,997	312	5,309	1,115	2,287
Granite avenue	.....	.....	.....	5	.....	5	216	.....	216	73	.....	73	515	8	523	809	8	817	37	663
L street	6	.....	6	86	2	88	2,109	129	2,238	139	2	141	1,422	136	1,558	3,762	269	4,031	520	2,927
Malden	.....	.....	.....	11	1	12	1,104	47	1,151	781	90	871	110	5	115	2,006	143	2,149	419	1,241
Meridian street	447	236	683	75	13	88	8,826	2,232	11,058	740	161	901	4,488	1,087	5,575	14,576	3,729	18,305	2,237	10,241
Neponset	.....	.....	.....	.....	.....	.....	304	90	394	84	24	108	302	218	520	690	332	1,022	.....	683
North Beacon street	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Northern avenue	968	547	1,515	273	10	283	6,863	467	7,330	761	46	807	3,169	366	3,535	12,034	1,436	13,470	2,277	6,178
Summer street	166	5	171	240	10	250	4,598	474	5,072	703	43	746	1,634	151	1,785	7,341	683	8,024	1,144	4,272
Warren street	3	7	10	129	3	132	1,792	115	1,907	639	46	685	705	628	1,333	3,268	799	4,067	942	2,721
Western ave. to Watertown	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Totals	2,788	929	3,717	1,912	72	1,984	59,272	7,917	67,189	8,299	625	8,924	29,673	5,993	35,666	101,944	15,536	117,480	21,357	57,908

ELEVATIONS AND DATUM PLANES REFERRED TO BOSTON CITY BASE.

Feet.	
* 0.00	Boston city base. This base is used by the towns of Brookline and Watertown and the cities of Chelsea, Everett, Malden, Newton and Waltham.
—4.98	Cambridge city base.
+0.64	Somerville city base.
0.00	Metropolitan Park Commission base.
+0.60	Harbor and Land Commission and Directors of the Port of Boston base.
0.00	Metropolitan Water Board base.
—100.00	Metropolitan Sewerage Board base.
—100.00	Boston Transit Commission base.
—100.00	Charles River Commission base.
15.45	Old bench mark on coping of old dry dock at Charlestown Navy Yard.
15.11	New bench mark on coping of old dry dock at Charlestown Navy Yard, northwest end over crowfoot.
5.00	Piles to be cut off for building.
12.00	Minimum cellar bottom elevation when not waterproofed.
9.82	South Boston base. Formerly in use, now abandoned.
0.00	Mean low water about 1830.†
+0.34	Mean low water, 1867.†
+0.79	Mean low water, 1902.†
+0.58	Navy Yard base, 1902.†
10.63	Mean high water, 1902.†
5.71	Mean sea level, 1902.†
9.84	Mean rise and fall of tide, 1902.†

* Definition of Boston city base: "Boston city base is a datum plane 15 feet above the average height of the sill of the Charlestown dry dock." (Page 552, report of Committee on Charles River Dam, 1903.)

† John R. Freeman, civil engineer, in report to Committee on Charles River Dam, 1903, pp. 562, 569, 570.

HIGHEST RECORDED TIDES.

Feet.

15.62 April 16, 1851, average of seven observations, North Market street and vicinity, leveled on in 1854 by Charles Harris, Surveying Division n. b. 22, p. 54 (15.10 above mean low water, United States Coast Survey Chart of Boston Harbor, 1857).

15.64 December 26, 1909, average of twenty-nine observations, on waterfront, Nut Island to Deer Island, elevations determined in most cases by John H. Edmonds, before January 1, 1910, from points put in for that purpose, 1902 to 1905.

15.50 December 26, 1909, actual elevation at North Ferry, Boston proper, as observed on staff gauge, at high water.

From comparison of contemporary diary and newspaper accounts the only tide of this class prior to 1851, found by John H. Edmonds, was that of February 24, 1722–23, which was in all probability about 16.00.

The following tidal records may be of interest:

High Tides.

[Plane of Reference, Boston City Base.]

Feet.	Date.	Where Taken.	By Whom.
16.00	Feb. 24, 1722–23.	By comparison	J. H. Edmonds.
15.62	April 16, 1851	Average of 7 observations	Charles Harris.
15.74	April 16, 1851	Navy Yard, staff gauge	Isaac Williams.
14.15	Jan. 23, 1898	Charlestown Bridge and East Boston Ferries.	
14.94	Nov. 27, 1898	Average of 15 observations.	
13.72	Nov. 8, 1900	Malden Bridge	F. P. Spalding.
14.19	Nov. 25, 1901	Average of 10 observations.	
13.60	Dec. 14, 1902	Average of 11 observations.	
14.83	Jan. 25, 1905	Average of 34 observations.	
14.70	Jan. 25, 1905	Inner harbor, 10 observations.	
14.70	Jan. 25, 1905	North Ferry, Boston proper	J. H. Edmonds.

High Tides.— Concluded.

Feet.	Date.	Where Taken.	By Whom.
13.50	Nov. 15, 1906....	Neponset Bridge.....	M. F. Toomey.
15.64	Dec. 26, 1909....	Average of 29 observations.	
15.50	Dec. 26, 1909....	North Ferry, Boston proper (a. m.).....	J. H. Edmonds.
11.90	Dec. 26, 1909....	North Ferry, Boston proper (p. m.).....	J. H. Edmonds.
13.50	Dec. 26, 1913....	North Ferry, Boston proper.....	F. P. Spalding.
13.90	Nov. 20, 1914....	Malden Bridge.....	H. H. McNerlin.
14.30	Jan. 13, 1915....	North Ferry, Boston proper.....	F. P. Spalding.
14.62	Jan. 13, 1915....	Granite Avenue Bridge.....	G. A. Clough.

Low Tides.

5.60	Nov. 27, 1898....	Deer Island, metropolitan sewer station....	Self-recording gauge.
—3.55	Feb. 1, 1909....	Deer Island, metropolitan sewer station....	Self-recording gauge.
—2.94	Feb. 3, 1900....	South Boston station, Edison Electric.....	D. A. Harrington.
—3.00	Feb. 4, 1904....	Deer Island, metropolitan sewer station....	Self-recording gauge.
—3.00	Mar. 23, 1905....	Deer Island, metropolitan sewer station....	Self-recording gauge.

FERRY SERVICE.

The following steam ferryboats are in commission:

Name.	When Built.	Kind.	Length.	Gross Tonnage.
D. D. Kelly	1879	Side wheel	160 ft. 3 in.	550
Hugh O'Brien	1883	"	175 " 3 "	645
General Hancock	1887	"	160 " 3 "	577
Governor Russell	1898	Propeller	164 " 3 "	713
Noddle Island	1899	"	164 " 3 "	710
General Sumner	1900	"	164 " 3 "	703
John H. Sullivan	1912	"	172 " 3 "	826

FINANCIAL STATEMENT FOR THE YEAR ENDING JANUARY 31, 1918.

1. Receipts.

Total cash receipts during the year		$92,416 53
Cash in hands of tollmen at beginning of year		200 00
		$92,616 53
Cash paid over to City Collector	$92,416 53	
Cash in hands of tollmen January 31, 1918	200 00	
		$92,616 53

2. Appropriations and Expenditures.

Balance unexpended from previous years (special appropriations)	$1,775 00
Received by transfer from Bridge Service (net)	11,489 91
Received from annual appropriations	342,348 31
Total appropriations	$355,613 22
Total expenditures	355,603 22
Balance unexpended transferred to City Treasury,	$10 00

3. Result of Operations for the Year.

Receipts for the year (net income)		$92,416 53
Ordinary expenses		355,480 17
Interest paid on ferry debt		7,995 00
Depreciation of ferryboats		12,539 72
Decrease in fuel		5,284 80
Decrease in machinery and tools		308 00
		$381,607 69
Less increase in stock of supplies		240 00
Net outgo for the year		$381,367 69
Net loss for the year		$288,951 16

4. Balance Sheet.

End of Fiscal Year January 31, 1818.

Assets.			Liabilities.		
AVAILABLE ASSETS:			CURRENT LIABILITIES:		
Cash in hands of tollmen at close of year		$200 00	None.		
Inventory of supplies, viz.:					
Fuel	$2,418 24				
Supplies for maintenance	4,820 00				
		7,238 24			
Rents receivable		100 52			
Total available assets		$7,538 76			
CONTINGENT ASSETS:			CONTINGENT LIABILITIES:		
City Treasury		0 00	None.		
FISCAL ASSETS:			FISCAL LIABILITIES:		
Real estate, land and buildings [1]		[2]610,100 00	Capital of the city invested in the ferries, viz.:		
Ferryboats [3]		196,455 67	Total expenditures of all kinds for sixty years, including interest on ferry debt	$13,618,168 16	
Machinery, tools, etc		2,772 00	Less total receipts	7,391,411 78	
Total tangible assets		$816,866 43			$6,226,756 38
Deficiency or loss by operation and maintenance of the ferries for sixty years to date		5,409,889 95			
		$6,226,756 38			$6,226,756 38

[1] Original purchase of ferries $276,375 00
New buildings, drops, slips, cost to date, 607,523 64
Land, Lincoln's Wharf, cost, 1887 ..... 5,562 52
Land, Battery Wharf, cost, 1893 ..... 10,000 00
$899,461 16

[2] Assessors' figures.

[3] Total cost to date, per ferry books $743,070 58
Less boats sold, depreciated or destroyed 546,614 91
$196,455 67

Comparative Balance Sheets at the Close of Each Year for Five Years.

	January 31, 1914.	January 31, 1915.	January 31, 1916.	January 31, 1917.	January 31, 1918.
Assets.					
Cash, balance on hand	$390 06	$395 59	$282 74		
Cash, tollmen's capital	200 00	200 00	200 00	$200 00	$200 00
Rents receivable	22 00	39 00	42 90	33 40	100 52
Fuel and supplies in stock	9,265 62	14,375 75	6,804 10	12,283 04	7,238 24
City Treasurer (balance of appropriation)	515 60	15 60	2,015 60	1,775 00	
Ferryboats (less depreciation)	251,624 63	236,527 15	222,335 52	208,995 39	196,455 67
Machinery and tools	3,040 69	3,350 00	3,015 00	3,080 00	2,772 00
Real estate, land and buildings (assessors' valuation)	610,200 00	610,200 00	610,100 00	610,100 00	610,100 00
Total tangible assets	$875,258 60	$865,103 09	$844,795 86	$836,466 83	$816,866 43
Cost of avenues, etc., East Boston (previous to 1870)[1]	315,815 68	315,815 68	315,815 68	315,815 68	315,815 68
Deficiency of assets (loss)	4,150,659 65	4,364,388 68	4,573,128 77	4,805,067 18	5,094,074 27
Totals	$5,341,733 93	$5,545,307 45	$5,733,740 31	$5,957,349 69	$6,226,756 38
Liabilities.					
Capital invested by City of Boston to date	$5,341,218 33	$5,545,291 85	$5,731,724 71	$5,955,574 69	$6,226,756 38
Appropriations account (credit balances)	515 60	15 60	2,015 60	1,775 00	
Total liabilities	$5,341,733 93	$5,545,307 45	$5,733,740 31	$5,957,349 69	$6,226,756 38

Details of Capital Invested by the City of Boston.

Total expenditures to date, per ferry books	$11,977,239 77	$12,287,566 20	$12,580,429 67	$12,900,154 62	$13,331,024 31
Interest of debt for the year (per City Auditor)	16,155 00	15,815 00	15,455 00	14,987 91	7,995 00
Interest previous years, etc., (net debits, per auditor)	279,148 85	279,148 85	279,148 85	279,148 85	279,148 85
Total expenditures[2]	$12,272,543 62	$12,582,530 05	$12,875,033 52	$13,194,291 38	$13,618,168 16
Deduct total receipts paid to collector	6,931,325 29	7,037,238 20	7,143,308 81	7,238,716 69	7,391,411 78
Excess expenditures, capital	$5,341,218 33	$5,545,291 85	$5,731,724 71	$5,955,574 69	$6,226,756 38

[1] Included in deficiency of assets in Table 4.
[2] Auditor's figures for total expenditures and receipts are $60,278.56 more than the above, the difference (capital invested) being the same.

Comparison of Receipts, Appropriations and Expenditures for Five Years.

	1913–14.	1914–15.	1915–16.	1916–17.	1917–18.
RECEIPTS.					
From foot passengers (tollmen)	$58,163 78	$57,762 50	$54,285 67	$44,048 14	$39,690 86
" foot passes (office sales)	687 80	589 60	557 40	566 70	513 80
" extra passengers on teams (gatemen)	1,620 47	1,886 29	1,935 17	1,721 33	1,710 71
" team ticket (office sales)	1,314 50	654 00	1,694 00	2,661 50	2,977 50
" strip team tickets (tollmen)	23,567 00	23,711 50	24,062 50	23,142 00	23,001 00
" cash fares for teams (gatemen)	18,843 01	20,016 24	21,681 01	21,202 55	23,304 45
" free ferries July 4	1 00	1 00	1 00	1 00	1 00
Total from rates	$104,187 56	$104,621 13	$104,216 75	$93,343 22	$91,199 32
From rents	514 00	497 00	560 10	564 00	514 03
" old material sold	74 00	141 26	258 16	594 78	84 35
" other sources	1,551 52	656 05	922 75	623 14	618 83
Total ordinary receipts	$106,327 08	$105,915 44	$105,957 76	$95,125 14	$92,416 53
EXPENDITURES (ORDINARY).					
Office:					
Division engineer's salary (part) *	$2,500 00	$1,310 77	.....	$1,250 00	$1,250 00
General foreman and cashier †	3,366 66	3,753 75	$3,758 41	4,341 44	4,253 88
Clerks	117 50	900 00	900 00	765 00	904 23
Retired veterans' pensions	5,205 33	6,132 74	4,887 51	4,739 45	4,645 58
Retired employees' pensions	572 45	952 15	1,639 15	2,246 15	3,754 16
Engineers' roll (part) *	.....	1,388 18	197 67		
Medical inspector (part)	.....	.....	.....	83 00	83 33
Stationery	164 23	171 40	117 70	117 59	132 72
Printing	1,785 94	2,233 37	1,124 86	1,258 39	1,263 78
Telephones	245 44	256 98	267 34	299 54	212 35
Advertising	56 80	16 20	10 80	34 60	56 50
Car fares	81 00	84 58	63 00	75 00	57 25
Postage	6 00	2 00	6 00	6 00	6 00
Premiums, surety companies	82 11	83 75	85 75	90 00	80 84
Total, office expenses	$14,183 46	$17,285 87	$13,058 18	$15,306 16	$16,700 62

Ferryboats and landings:					
Employees (wages)	174,875 31	177,095 53	183,542 57	182,903 30	196,363 38
Fuel	36,437 11	47,286 86	34,338 83	54,890 04	90,250 62
Teaming, weighing coal, etc	3,032 21	2,808 21	2,359 15	3,195 97	3,830 57
Supplies	6,250 18	7,086 89	7,218 64	7,708 20	9,124 69
Oils	1,508 16	1,476 58	1,691 65	1,782 43	1,971 79
Gas	634 41	536 32	484 00	531 50	577 66
Electric light	4,090 55	4,217 30	4,154 54	3,847 14	3,560 16
Towing teams by electric motors	112 82	185 90	184 68	270 45	208 02
Repairs of boats	26,197 95	26,642 34	22,848 72	29,468 14	21,643 48
Repairs of buildings, piers and drops	8,882 71	7,390 31	5,996 81	3,290 18	10,473 68
Furnishings	433 12	580 16	234 80	227 25	229 37
Other expenditures ‡	1,089 40	1,079 16	935 90	496 42	546 13
Total from regular annual appropriations	$277,727 39	$293,671 43	$277,048 47	$303,917 18	$355,480 17
EXPENDITURES FROM SPECIAL APPROPRIATIONS.					
Repairing ferryboat "General Sumner"	.....	500 00			
Ferry landings, repairs	7,532 51				
Ferry improvements	.....	.....	.....	127 77	
Auxiliary lighting plant	.....	.....	.....	225 00	123 05
Total expenditures, regular and special	$285,259 90	$294,171 43	$277,048 47	$304,269 95	$355,603 22
Balances in treasury unexpended	515 60	15 60	2,015 60	1,775 00	10 00
APPROPRIATIONS.					
Regular annual appropriations	$277,727 39	$293,671 43	$255,000 00	$298,115 75	$342,348 31
Transfers from other sources §	.....	.....	22,048 47	5,801 43	13,141 86
Special appropriations:					
Ferry landings, repairs §	.....	.....	.....	112 17	
Auxiliary lighting plant	.....	.....	2,000 00		
	$277,727 39	$293,671 43	$279,048 47	$304,029 35	$355,490 17

* Remainder paid by Bridge Service. † Included in employees (wages) after February 1, 1916.
‡ Includes repair of coal carts, analysis of coal, use of towboats, medical attendance, and report of coal expert.
§ Part of appropriation for Bridge and Ferry Division applied to "Ferry Service."

Total Expenditures Upon Ferries Since 1858-59.

Expenditures for avenues, paving, interest, etc., previous to purchase of the ferries by the city	$444,101 30
Purchase of ferries, April, 1870	276,375 00
Expenditures for ferryboats since April, 1870	743,070 58
Expenditures for new buildings, piers, drops, etc.	607,523 64
Expenditures for tools and fixtures	14,752 46
Expenditures for land from Lincoln's Wharf in 1887	5,562 52
Expenditures for land from Battery Wharf in 1893	10,000 00
Total expenditures on capital account	$2,101,385 50
Expenditures for repairs of all kinds	1,204,895 42
Expenditures for fuel	1,803,169 02
Expenditures for salaries and wages	6,498,925 76
Expenditures for all other purposes	2,009,792 46
	$13,618,168 16

Total Receipts From Ferries Since 1858-59.

Receipts from rents, etc., previous to purchase of ferries	$29,588 56
Receipts from ferry tolls since purchase of ferries	7,089,888 79
Receipts from rents since purchase of ferries	66,805 92
Receipts from sales of ferryboats	149,067 44
Receipts from all other sources, per ferry books,	25,526 22
Receipts from all other sources, additional, per auditor	30,734 85
Total receipts from all sources	$7,391,611 78
Less amount with tollmen as capital	200 00
Total receipts, per auditor's figures	$7,391,411 78

REGULAR ANNUAL (ORDINARY) AND SPECIAL APPROPRIATIONS (EXTRAORDINARY) OF THE FERRY SERVICE FOR THE YEAR ENDING JANUARY 31, 1918.

Appropriation (regular) for the year ending January 31, 1918	$342,348 31
Received by transfer from Bridge Service (net)	11,489 91
Received by transfer from Auxiliary Lighting Plant	1,651 95
	$355,490 17

Amount of expenditures (regular) for the year	$355,480 17	
Balance to City Treasury	10 00	
		$355,490 17

SPECIAL APPROPRIATIONS.

Appropriation authorized and issued July 19, 1915, for auxiliary lighting plant	$2,000 00
Amount expended from July 19, 1915, to January 31, 1917	348 05
	$1,651 95
Transferred to appropriation for Ferry Service	$1,651 95

STATEMENT SHOWING RECEIPTS AT EACH FERRY.

North Ferry.

FROM TOLLMEN.	Foot Passengers.	From Tickets.	Totals.
Boston side	$11,641 95	$4,754 50	$16,396 45
East Boston side	11,162 38	7,364 00	18,526 38
	$22,804 33	$12,118 50	$34,922 83

From tollmen		$34,922 83
From gatemen:		
For 91,328 foot passengers at 1 cent	$913 28	
For cash fares for teams	11,616 32	
		12,529 60
Total at North Ferry		$47,452 43

South Ferry.

FROM TOLLMEN.	Foot Passengers.	From Tickets.	Totals.
Boston side	$8,791 05	$5,859 00	$14,650 05
East Boston side	8,095 48	5,023 50	13,118 98
	$16,886 53	$10,882 50	$27,769 03

From tollmen		$27,769 03
From gatemen:		
For 79,743 foot passengers at 1 cent	$797 43	
For cash fares for teams	11,688 13	
		12,485 56
Total at South Ferry		$40,254 59
North and South Ferries as above		$87,707 02
Tickets paid for at ferry office		3,491 30
Received in lieu of free ferries July 4, 1916		1 00
Total from rates		$91,199 32
Rents for the year		514 03
Sale of old material		84 35
Commissions on public telephone receipts		70 83
Headhouse privileges		500 00
Care of public telephone booths		48 00
Total receipts for the year		$92,416 53

STATEMENT OF TRAVEL ON THE FERRIES FROM FEBRUARY 1, 1917, TO JANUARY 31, 1918, INCLUSIVE.

	North Ferry.	South Ferry
Foot passengers at 1 cent each	2,371,761	1,768,396
Foot passengers by tickets	34,692	16,561
Foot passengers free	846	
Total foot	2,407,299	1,784,957
One-horse teams and pleasure carriages	286,135	237,546
One-seat automobiles	24,403	29,423
Two-horse teams	84,435	72,370
Motor trucks	74,925	76,834
Three-horse teams	2,007	1,531
Four-horse teams	2,330	4,759
Two-horse pleasure carriages and hacks	5,993	830
Two-seat automobiles	57,146	46,234
Handcarts, etc.	1,596	1,974
Free teams	9,559	5,618
	548,529	477,119

Total paying foot	4,191,410
Total free foot passengers	846
Total foot passengers carried	4,192,256
Total paying teams	1,010,471
Total free teams	15,177
Total teams carried	1,025,648

TOTAL TRAVEL ON BOTH FERRIES FROM FEBRUARY 1, 1912, TO JANUARY 31, 1918.

	1912–13.	1913–14.	1914–15.	1915–16.	1916–17.	1917–18.
One-horse teams	658,255	651,701	623,508	644,311	582,819	577,507
Two-horse teams	249,052	239,121	248,464	276,850	291,795	308,564
Three-horse teams	9,697	7,732	6,125	5,410	4,723	3,538
Four-horse teams	5,838	4,578	4,739	4,507	6,640	7,089
Two-horse carriages, hacks	67,094	63,860	83,253	84,389	94,333	110,203
Two-cent tolls	5,519	2,662	2,231	3,195	3,537	3,570
Dragwheels, etc	6	1	4	4	1	
Paid teams at both ferries	995,461	969,655	968,324	1,018,666	983,848	1,010,471
Free teams at both ferries	14,541	12,954	11,028	10,844	12,067	15,177
Total teams at both ferries	1,010,002	982,609	979,352	1,029,510	995,915	1,025,648
Foot passengers, paid	5,950,153	6,044,507	6,024,082	5,676,118	4,631,244	4,191,410
Foot passengers free	2,551	2,509	885	2,053	1,763	846
Total foot passengers	5,952,704	6,047,016	6,024,967	5,678,171	4,633,007	4,192,256

Note: The above team travel includes automobiles.

APPENDIX C.

REPORT OF THE DIVISION ENGINEER OF THE HIGHWAY DIVISION.

BOSTON, February 1, 1918.

MR. E. F. MURPHY,
Commissioner of Public Works:

DEAR SIR,— I submit herewith a statement of the activities, operations and expenditures of the various services of the Highway Division for the year ending January 31, 1918.

The maintenance expenditures of the Highway Division for the year were as follows:

Lighting Service	$773,541 76
Paving Service	1,071,520 36
Sanitary Service	1,031,156 99
Street Cleaning and Oiling Service	708,457 31
Total	$3,584,676 42

NOTE.— For further detail of expenses see pages 185 to 280.

PAVING SERVICE.

Some of the most important work completed this season are the following streets, which were paved with new granite blocks on a concrete base with cement grout joints: Canal street; Haymarket square; Washington street, Haymarket square to Elm street; Albany street, Dover to Stoughton street; Beacon street, Tremont to Park street. Washington street, from Beach street to Williams court, was relaid with wood blocks. Tremont street, from Boylston to Common street, and Boylston street, from Washington street to across Tremont street, were paved with wood blocks on a concrete base, replacing old granite blocks. Beacon street, from Park street to Charles street, was laid with Topeka on macadam foundation. Progress has been made in laying

wood blocks in Albany street, between Stoughton street and Sheridan square, and a portion of Harrison avenue has been paved with new granite blocks on a concrete base. Dorchester avenue, between Savin Hill avenue and Park street and between Peabody square and Washington street, is unfinished and will require several months of the coming season to complete.

Large areas of artificial stone sidewalks in Dorchester, Jamaica Plain, West Roxbury and Mt. Hope have been laid. Petitions for additional areas have been received but the extent of the work is limited to the money available for sidewalk construction.

The department force has been employed in repair and resurfacing work. The steam road rollers call for more repairs, two having been condemned the past year leaving but nine in operation. These rollers are twelve or more years in the service and should be reinforced by the purchase of two new machines.

SANITARY SERVICE.

The activities of the Sanitary Service have been hampered to a great extent by the lack of laborers, by deaths, transfers, pensions, etc.; the force is growing smaller each month. It will be necessary, therefore, to reinforce the service by the addition of 100 laborers to put it on a good working basis.

The general plant is in fair condition; the purchase of some new horses would, however, add to the general efficiency.

STREET CLEANING SERVICE.

What is stated about the Sanitary Service relating to the labor item is applicable to the Street Cleaning Service. It is respectfully suggested that the ranks be augmented by the addition of more help.

LIGHTING SERVICE.

The number of lights is increasing, both gas and electricity. Petitions have been received from all parts of the city asking for additional installation, due to the development of the different sections of the city. The principal demand has been for the "White Way" lighting and orders have been issued to the Edison Electric Illuminating Company to install the "White Way" in

Hanover and Tremont streets, Columbia road, Dudley street, Columbus avenue, Washington, and Meridian streets, Maverick, Central and Adams squares.

There are in operation 19,666 arc incandescents and gas lamps, divided as follows: 5,181 arcs, 22 flame arcs, 4,572 tungsten incandescents, 9,678 single burner gas lamps, 70 double burner gas lamps and 144 fire alarm gas lamps.

Respectfully submitted,

JAMES H. SULLIVAN,
Division Engineer.

HIGHWAY DIVISION — LIGHTING SERVICE.

FINANCIAL STATEMENT.

Expenditures, February 1, 1917, to January 31, 1918.

Electric Lighting:		
Arc.		
Edison Electric Illuminating Company	$424,014 67	
Charlestown Gas and Electric Company	25,631 65	
		$449,646 32
Incandescent.		
Edison Electric Illuminating Company	$84,746 21	
Charlestown Gas and Electric Company	21 12	
		84,767 33
Gas Lighting:		
Boston Consolidated Gas Company	$197,088 83	
Charlestown Gas and Electric Company	11,030 41	
		208,119 34
Salaries and Wages:		
Division Engineer (part of)	$832 00	
Clerk	1,495 52	
Stenographer	996 84	
Lamplighter and repairer	1,092 00	
Chauffeur (*see* automobile account).		
Pensions	360 00	
		4,776 36
Automobile Expenses:		
Ford automobile (net cost)	$288 70	
Registration	20 00	
Storage	10 00	
Gasolene, oil, etc.	106 28	
Shoes and tubes, new and repairs,	68 76	
Supplies	10 50	
Repairs	56 41	
Chauffeur, wages of	1,092 00	
		1,652 65
Carried forward		$748,962 00

Brought forward		$748,962 00
Construction:		
Changes on account of installation of lamps, posts, removing and relocation of lamps, posts, etc.	$2,272 42	
Lamp-posts	13 16	
		2,285 58
Office Expense:		
Printing	$43 92	
Postage	20 00	
Stationery and periodicals	47 11	
Atlas	31 50	
		142 53
Miscellaneous:		
Services of employees of Paving Service on locations, etc.	$459 74	
Traveling expenses	47 70	
Glass for signs	2 50	
Tapes, drills, etc.	4 46	
		514 40
Investigation of electric light contract services of experts (engineers, etc.)	$15,891 82	
Typewriting, hearing, etc.	4,380 33	
Printing and binding brief	1,365 10	
		21,637 25
Total		$773,541 76

Revenue Credited to General Revenue.

Lighting Boston and Cambridge Bridges	$2,678 77

The following is a statement of the work done during the year under the supervision of the Division Engineer, Highway Division:

Arc lamps have been provided for skating and tobogganing during the season at Franklin Field, Franklin Park and Wood Island Park, the same as in years past.

Arc lamps, Boulevard type, have been installed on Hanover street, between Court and Commercial streets; Washington street and Adams square, between Hanover and Court streets; Tremont street, between Boylston and Common streets, city proper; Maverick and Central squares, and Meridian street, between Maverick square and Condor street, East Boston; North Beacon Street Bridge, Brighton.

The usual amount of regulation and relocation of lamps and services, made necessary by street construction, the building of sewers and other works, has been conducted throughout the year.

Petitions and requests for new lamps received from citizens and from officials, also complaints in relation to the Lighting Service, have been investigated and attended to. All streets in the underground district prescribed for the year have been inspected and necessary changes and additions have been made.

The number of miles of streets and ways lighted by this service is as follows:

	Miles.
Public streets and alleys	601.12
Public footways	1.34
Park roads, footways and private streets and alleys, approximately	300.00
	902.46

During the year the following defects were reported by the police: Arc lamps, 3,209; incandescent, 1,263, and gas lamps, 19,394.

LAMPS INSTALLED.		
Magnetite arc lamps	86	
Tungsten lamps	115	
Single mantle gas lamps	55	
Fire alarm, gas	1	
	—	257
LAMPS DISCONTINUED.		
Magnetite arc lamps	4	
Flame arc lamps	1	
Tungsten lamps	5	
Single-mantle gas lamps	34	
Double-mantle gas lamps	00	
Fire alarm, gas lamps	3	
	—	47
Net increase		210

The following table shows the work of setting, repairing and altering lamp-posts, brackets, services, etc.

	Set for Lamps.	Set in Place of Broken Posts.	Shifted to New Location.	Straightened.	Reset to Line and Grade.	Removed.	Repaired.	Laid.	Relaid.	Reconnected.	Cleared.	Set in Place of Brackets.	Shades.
Gas posts	60	50	24	10	83	18	.....	.....	.....	.....	9	3	11
Arc posts	82	1	13	30	30	4	.....	.....	.....	.....	.....	.....	17
Tungsten posts	17	.....	.....	1	5	.....	.....	.....	.....	.....	.....	1	2
Gas brackets	.....	.....	.....	.....	.....	12	1	.....	.....	.....	.....	.....	.....
Arc fixtures	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Tungsten fixtures	98	.....	3	.....	.....	13	.....	.....	.....	.....	.....	.....	.....
Services	.....	.....	.....	.....	.....	.....	10	.....	4	.....	102	.....	.....

The following table shows the number of lamps of various types in use on January 1, 1918, as compared with the number in use on January 1, 1917:

	January, 1918.	January, 1917.	Increase or Decrease.
Single mantle gas	9,677	9,656	+21
Double mantle	70	70	.....
Fire alarm gas	144	146	—2
Magnetite arc	5,181	5,099	+82
Flame arc	22	23	—1
Tungsten incandescent	4,572	4,462	+110
	19,666	19,456	210

STREET LAMP OUTAGES.

Rebates for lamps not lighted on schedule time or out before the proper time have been received on the various monthly bills, as follows:

DATE.	Incandescent.	Gas.	Arc.
February, 1917	$1 61	$5 40	$91 10
March	2 79	17 58	88 15
April	3 18	86 25	75 13
May	4 60	10 36	70 72
June	3 08	2 88	25 87
July	3 73	1 51	36 71
August	3 89	1 58	28 92
September	4 00	1 66	49 19
October	8 35	1 75	71 20
November	7 59	12 14	90 74
December	12 54	16 95	72 09
January, 1918	17 47	10 00	104 67
	$72 83	$168 06	$704 49

GAS LIGHTING.

There are 9,677 single mantle gas lamps, 70 double mantle lamps and 144 open flame fire alarm signal lamps.

The city furnishes the lamp-posts and provides service pipes laid from the gas mains to the top of the posts; the contractor maintains all such pipes and posts in good condition and repair; furnish gas, lanterns, burners and all other necessary equipment, including labor for lighting and care.

The Lighting Service provides for the gas, lighting and care of the fire alarm signal lamps, and the Fire Department for the lanterns, posts, setting and repairing of same.

Gas Lamps.

Lighting Company.	Gas District.	Number of Lamps.	Type of Lamps.	Rated Candle Power.	Gas Consumed per Lamp per Hour.	Hours of Burning per Annum.	Cost of Gas per Lamp per Annum.	Cost per Lamp for Lighting, Care and Repair per Annum.	Total Cost per Lamp.
Boston Consolidated Gas Company.	City proper, East and South Boston, Dorchester, Roxbury, West Roxbury, Brighton.	9,170	Single mantle.	60	3 feet.	4,000	$9 00	$12 00	$21 00
		70	Double mantle	100	6 feet.	4,000	18 00	15 00	33 00
		125	Open flame.	.....	4 feet.	4,000	.....	.....	21 00
Charlestown Gas and Electric Company.	Charlestown.....	507	Single mantle.	60	3 feet.	4,000	9 00	.....	21 00
		19	Open flame.	.....	4 feet.	4,000	.....	.....	21 00

ELECTRIC LIGHTING.

There are in use 5,181 magnetite arc lamps, 22 flame arc lamps, 3,277 40-candle power, 1,274 60-candle power, 11 80-candle power, 4 100-candle power and 6 320-candle power tungsten lamps.

The electric companies provide and set the lamp-posts, except the lamp-posts for incandescent lamps supplied from underground circuits, furnish lamps, overhead wires, underground conduits, cables, connections and all other necessary equipment and maintain them in good condition and repair.

The lighting rates for electric lamps are in accordance with the following table:

DESCRIPTION OF LAMP.	Fixed Costs per Lamp per Year.	Running Costs per Lamp Hour.
40 candle-power incandescent lamp	$10 80	1/10 cent
60 candle-power incandescent lamp	12 00	1/8 cent
80 candle-power incandescent lamp	14 90	1/6 cent
100 candle-power incandescent lamp	18 00	1/5 cent
320 candle-power incandescent lamp	36 00	1 1/5 cents
800 candle-power magnetite 500-watt D. C.	36 00	1 1/5 cents
1,600 candle-power Thoran 500-watt D. C.	42 00	3 1/5 cents

A discount of 10 per cent is made on the above rates for lamps in all sections of the city. A deduction at the rate of 1 cent per hour for lamps of 100-candle power or less and 5 cents per hour for all other lamps is made for outages.

Arc Lamps.

Company.	Number of Lamps.	Connected.	Type of Lamp.	Type of Circuit.	At Terminal.	Lighting Hours.	Cost per Lamp per Annum.
Edison Electric Illuminating Company	1,944	Overhead.	Magnetite.	Series 6.6 amp. D. C.	528	3,828	$87 52
	2,914	Underground.	Magnetite.	Series 6.6 amp. D. C.	528	3,828	87 52
	29	Underground.	Magnetite.	Multiple D. C.	.....	3,828	87 52
	22	Underground.	Flame.	Series 6.6 amp. D. C.	528	3,828	148 05
Charlestown Gas and Electric Company	218	Overhead.	Magnetite.	Series 6.6 amp. D. C.	528	3,828	87 52
	76	Underground.	Magnetite.	Series 6.6 amp. D. C.	528	3,828	87.52
	5,203						

NOTE.—In the above the candle-power figures are the official designations. The wattage figures are here eliminated.

Incandescent Lamps.

COMPANY.	Number of Lamps.	Type of Lamp.	Type of Circuit.	Candle Power.	Lighting Hours.	Cost of Lamp per Annum.
Edison Electric Illuminating Company	1,824	Tungsten.	Series 6.6 amp. D. C.	40	3,828	$18 33
	870	Tungsten.	Series 6.6 amp. D. C.	60	3,828	21 14
	3	Tungsten.	Series 6.6 amp. D. C.	80	3,828	26 38
	3	Tungsten.	Series 6.6 amp. D. C.	100	3,828	33 43
	1,452	Tungsten.	Multiple D. C.	40	3,828	18 33
	404	Tungsten.	Multiple D. C.	60	3,828	21 14
	11	Tungsten.	Multiple D. C.	80	3,828	26 38
	6	Tungsten.	Multiple D. C.	320	3,828	84 08
	1	Tungsten.	Multiple D. C.	100	3,828	33 43
Charlestown Gas and Electric Company	1	Tungsten.	Series 6.6 amp. D. C.	60	3,828	21 34

NOTE.—In the above the candle-power figures are the official designations. The wattage figures are here eliminated.

HIGHWAY DIVISION. (PAVING SERVICE.)

The following is a description of the most important work done during the year:

GRANITE BLOCK PAVEMENT.

Alexander street, from Bird street 527 feet northerly. (See "Assessment Streets.")

Albany street, from Dover street to Northampton street, is about 4,860 feet in length. A contract for paving this street with special granite block, on a 6-inch Portland cement concrete base, with grout joints, was awarded to Bernard E. Grant August 26, 1916. It is an 80-foot street with a roadway 54 to 60 feet in width. The roadway between Stoughton and Northampton streets was paved with wood block on a 6-inch Portland cement concrete base. The contractor set the edgestone and paved the roadway. The sidewalk on the easterly side was paved with brick and on the westerly side, from Dover street to Stoughton street, artificial stone sidewalks were laid. The straight edgestone, corners and flagging were furnished by the city and hauled by the contractor. All other materials were furnished by the contractor. Work was begun on this street in 1916, and the roadway was completed from Dover street to Malden street. Work was resumed in the spring of 1917 and the work is now nearly completed, with the exception of a small area of wood block pavement and part of the brick sidewalks. Artificial stone sidewalks are to be laid on the westerly side from Stoughton street to Northampton street. Work will be resumed in the spring of 1918. The former surface of the street was granite block on a gravel base, with the exception of the part near Stoughton street and Massachusetts avenue, which was asphalt and bitulithic pavement.

Amory street, from Centre street to Bragdon street, is about 1,408 feet in length. (See "Assessment Streets.")

Beach street, from Harrison avenue to Atlantic avenue, is about 1,247 feet in length. It is a 50-foot street with a roadway 32 to 34 feet in width and sidewalks 8 to 9 feet in width. A contract for paving this street with special cut granite blocks on a 6-inch Portland cement concrete base was awarded to Bernard E. Grant August 26, 1916. The contractor did the excavating, reset the edgestone, paved the roadway and replaced the existing brick sidewalks with artificial stone. The straight edgestone and corners were furnished by the city and hauled by the contractor; the circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The car tracks were

set to grade and the space between the rails was paved with special cut granite block on a 6-inch cement concrete base. The former surface of the street was granite block, gravel base and joints.

Beacon street, from Tremont street to Park street, is about 839 feet in length. This street varies in width from 24 to 37 feet and the sidewalks are 7 to 10 feet in width. A contract for paving this street with special cut granite block, with grout joints, on a 6-inch concrete base, was awarded to Bernard E. Grant August 16, 1917. The contractor did the excavating, reset the edgestone, paved the roadway and relaid the brick sidewalks. The straight edgestone and corners were furnished by the city and hauled by the contractor. The sidewalk bricks were furnished by the city on the line of the work. All other materials were furnished by the contractor. Wood blocks were substituted for the flagging crosswalks at Tremont street. The roadway from Tremont street to beyond Somerset street was paved with pitch joints; the remainder of the work was grout joints. The former surface of the street was granite block, pitch joints and gravel base.

Beacon street, from Park street to Charles street. (See "Asphalt Pavement.")

Canal street, from Haymarket square to Washington street, is about 1,125 feet in length. It is a 74-foot street with a 50-foot roadway and sidewalks varying in width from 10 to 15 feet. A contract for repaving this street with the existing granite block was awarded to Bernard E. Grant August 26, 1916. Under the contract it was the intention to relay the existing granite block, but at the request of the abutters, special cut granite block with grout joints were laid on the existing concrete base. The straight edgestone was furnished by the city and hauled by the contractor; all other materials were furnished by the contractor. The car tracks were set to grade and the space between the rails was paved with special cut granite blocks on a concrete base, grout joints. All other work was done by the contractor. This work was started late in the fall of 1916. The former surface of the street was granite blocks, pitch joints, on concrete base.

Dorchester avenue, from Savin Hill avenue to Freeport street, is about 1,940 feet in length. A contract for paving this street with granite blocks on a 6-inch Portland cement concrete base was awarded to Bernard E. Grant August 26, 1916. It is a 60-foot street with a 10-foot sidewalk. Under the contract it was the intention to relay the existing granite blocks, but owing to the shallow rail of the Boston Elevated Railway Company this was found to be unpracticable, and the contractor was ordered to recut the blocks so that they would be the proper depth. The straight edgestone and corners were furnished by the city and hauled by the contractor; the circular edgestone was furnished by the city on the line of the work and all the other materials were furnished by the con-

tractor. The contractor did the excavating, reset the edgestone, recut the paving blocks and paved the roadway with the recut blocks on a 6-inch concrete base, with grout joints. The dummy was paved with the shallows of the existing blocks on a 6-inch concrete base, grout joints. The car tracks were set to grade and the space between the rails paved with special cut granite blocks on a concrete base with grout joints by the Boston Elevated Railway Company previous to this contract. The street was started late in 1916 and work was resumed early in 1917. Work on this street is nearly completed, with the exception of a small area of paving and the laying of artificial stone sidewalks. The former surface of the street was granite block, gravel base and joints.

Dorchester avenue, from Freeport street to Park street, is about 3,244 feet in length. This is a 60-foot street with a 10-foot sidewalk. A contract for paving this street with granite blocks on a concrete base, grout joints, was awarded to Bernard E. Grant August 29, 1917. The contractor did the excavating and recut the granite blocks at the Massachusetts avenue lot. Work on the west roadway is completed from Freeport street to the railroad. Work will be resumed in the spring.

Dorchester avenue, from Peabody square to Washington street, is about 5,000 feet in length. A contract for reconstructing the surface of this street was awarded to James Doherty July 23, 1917. Work was begun August 16, 1917, and suspended December 10, 1917. It is a 56-foot street with 9-foot artificial stone sidewalks and granite edgestone. The roadway is paved with large old granite blocks, grout joints and gravel bed, except from Richmond street about 450 feet northerly, where the pavement is wood block on a 6-inch concrete base. The car tracks area was repaved by the Boston Elevated Railway Company. More than one half the roadway and one third the sidewalks were completed this year. Work will be resumed in the spring.

Harrison avenue, from Kneeland street to Dover street, is about 2,633 feet in length. It is a 50-foot street with a 34-foot roadway and sidewalks 8 feet in width. A contract for paving this street with special cut granite block on a 6-inch Portland cement concrete base, with grout joints, was awarded to Bernard E. Grant August 26, 1916. The contractor did the excavating, reset the edgestone and paved the roadway. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The car tracks were set to grade and the space between the rails paved with recut granite blocks on a 6-inch concrete base with grout joints by the Boston Elevated Railway Company. The roadway between Dover street and the railroad bridge is completed. No work has been done on the artificial stone side-

walks. The former surface of this street was granite block, gravel base and joints, with the exception of some asphalt pavement which will have to be resurfaced. The roadway is laid under a five-year maintenance guaranty.

Haymarket square is about 527 feet in length and has an area of about 6,942 square yards. A contract for paving this street with special cut granite blocks on a 6-inch Portland concrete base, with grout joints, was awarded to Bernard E. Grant August 26, 1916. The contractor set the edgestone, did the excavating, relaid the brick sidewalks and paved the roadway. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone and sidewalk brick were furnished by the city on the line of the work. All other materials were furnished by the contractor. The car tracks were set to grade and the space between the rails paved with special cut granite blocks on a 6-inch concrete base, grout joints, by the Boston Elevated Railway. The former surface of the square was granite block, gravel joints. The roadway was laid under a five-year maintenance guaranty.

Lincoln street, from Essex street to Beach street, is about 497 feet in length, with a roadway 34 to 47 feet in width and sidewalks 8 to 11 feet in width. A contract for paving this street was awarded to Bernard E. Grant August 26, 1916. The contractor did the excavating, reset the edgestone and paved the roadway. The existing brick sidewalks were replaced with artificial stone. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The roadway and sidewalks were laid under a five-year maintenance guaranty.

McKinley square is about 647 feet in length and includes that part of India street and State street around the Custom House. A contract for paving this square with special cut granite blocks on a 6-inch Portland cement concrete base was awarded to Bernard E. Grant August 26, 1916. The contractor did the excavating, reset the edgestone, paved the roadway and relaid the existing brick sidewalks. A small area of artificial stone sidewalk was laid. That portion of the square west of the Custom House was paved with existing granite block, grout joints, on existing concrete base. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone and sidewalk bricks were furnished by the city on the line of the work. All other materials were furnished by the contractor. The artificial stone sidewalk and the granite block roadway was laid under a five-year maintenance guaranty.

Neponset avenue, from Ashmont street to Chickatawbut street, is about 1,708 feet in length. A contract for reconstructing this street was awarded to John F. Lynch October 1, 1917.

Work was begun October 2, 1917, and suspended December 14, 1917. It is a 64-foot street with a grouted block roadway on gravel base, granite edgestone and a 10-foot artificial stone sidewalk. About one half the roadway paving has been completed and the car tracks have been resurfaced and paved by the Boston Elevated Railway. Work will be resumed early in the spring.

Overland street, from Brookline avenue to the Boston & Albany Railroad, is about 3,990 feet in length. (See "Assessment Streets.")

Tremont street, from Boylston street to Common street, is about 885 feet in length. (See "Wood Block Pavement.")

Washington street, from Haymarket square to Elm street, is about 738 feet in length, with a roadway from 40 to 65 feet in width and sidewalks 10 feet in width. A contract for paving this street with special cut granite blocks on a 6-inch Portland cement concrete base, with grout joints, was awarded to Bernard E. Grant August 26, 1916. The contractor did the excavating, reset the edgestone and paved the roadway. The straight edgestone and corners were furnished by the city and hauled by the contractor; the circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The car track was brought to grade and the space between the rails was paved by the Boston Elevated Railway. The former surface of the street was granite block, gravel base and joints. The street is finished except for a small area of paving and the artificial stone sidewalks.

Washington street, from Morton street to Asticou road, is about 510 feet in length. (See "Assessment Streets.")

ASPHALT PAVEMENTS.

Atkins street, from Washington street, across Stratton street, is about 618 feet in length. (See "Assessment Streets.")

Bardwell street, from South street to Ballard street, is about 613 feet in length. (See "Assessment Streets.")

Beacon street, from Raleigh street to railroad bridge, is about 1,623 feet in length. A contract to pave the surface of this street was awarded to the Bermudez Company September 20, 1917. The street is paved with Mexican asphalt on a 6-inch Portland cement concrete base and has granite block gutters and brows to car tracks, also laid on a concrete base, with cement grout joints. The contractor did the excavating and reset the edgestone. The work was started late in the fall and it was necessary to shut down work on account of the severe weather. The pavement will be finished and artificial stone sidewalks laid early in the spring. The contractor furnished all material necessary to do the work.

Bexley road, from Washington street to Florence street. (Not started.)

Blake street, from Hyde Park boundary line, across Randolph road. (See "Assessment Streets.")

Beacon street, from Park street to Charles street, is about 1,699 feet in length with a roadway of 37 to 48 feet in width and sidewalks from 9 to 15 feet in width. A contract for paving this street with a 2-inch Topeka pavement on existing macadam base was awarded to Bernard E. Grant August 16, 1917. The contractor did the excavating, reset the edgestone, paved the gutter, relaid the brick sidewalks and laid the Topeka pavement. The straight edgestone and corners were furnished by the city and hauled by the contractor; the existing block gutters were relaid with grout joints on a 4-inch Portland cement concrete base. The sidewalk bricks were furnished by the city on the line of the work. The granite block gutters and Topeka pavement were laid under a five-year maintenance guaranty.

Blossom street, from Allen street to Parkman street, is about 511 feet in length. A contract for constructing the surface of this street was awarded to Warren Brothers Company September 9, 1916. The street varies in width from 40 to 45 feet and the roadway 26 feet wide is paved with Acme asphalt on a 6-inch Portland cement concrete base. The gutters are laid with brick block on a concrete base, grout joints. The contractor did the excavating, reset a large part of the edgestone, laid the artificial stone sidewalks and constructed the roadway. The former surface of the street was macadam. The sidewalks and roadway were laid under a five-year maintenance guaranty.

Bowdoin street, from 78 feet west of Mt. Ida road to Topliff street. (Not started.)

Brighton avenue, from Commonwealth avenue to Cambridge street, is about 3,162 feet in length. A contract for constructing the surface of this street was awarded to the Bermudez Company September 29, 1917. Work was started September 21, 1917, and suspended December 8, 1917. This street is 100 feet in width, consisting of two roadways, one 25 feet wide and one 30 feet wide, 10-foot sidewalks and a 25-foot reservation or loam space in the middle of the street. The contractors repaved the granite block gutters with cement grout joints, reset some edgestone, did the excavating and laid an asphalt surface on the old macadam surface. The sidewalks are to be artificial stone but owing to the lateness of the season the walks were not laid. The asphalt pavement is laid under a five-year maintenance guaranty. Work will be resumed early in the spring.

Centervale park, from Upland avenue to Bourneside street, is about 517 feet in length. (See "Assessment Streets.")

Cummings road, from Commonwealth avenue to 835 feet easterly. (See "Assessment Streets.")

Dearborn street, from Albany street to Dudley street, is about

495 feet in length. A contract for constructing the surface of this street was awarded to Warren Brothers Company September 9, 1916. It is a 46-foot street with a 27-foot roadway, paved with Acme asphalt on a 6-inch Portland cement concrete base and brick block gutters, 2½ feet wide, laid on a concrete base, with grout joints. The contractor did the excavating, reset the edgestone and furnished and laid artificial stone sidewalks. This work was started in 1916 and finished November 20, 1917. The former surface of this street was macadam. The roadway and sidewalks are laid under a five-year maintenance guaranty.

Dunster road, from Centre street to Pond street, is about 1,770 feet in length. (See "Assessment Streets.")

Epping street, from Washington street to Norfolk street, is about 241 feet in length. (See "Assessment Streets.")

Eric avenue, from Savin Hill avenue 344 feet northerly. (See "Assessment Streets.")

Everton street, from Geneva avenue to Olney street, is about 690 feet in length. (See "Assessment Streets.")

Fordham road, from Commonwealth avenue to Brighton avenue, is about 624 feet in length. (See "Assessment Streets.")

Fruit street, from Charles street to Blossom street, is about 954 feet in length. A contract for constructing the surface of this street was awarded to Warren Brothers Company September 9, 1916. Work started July 12, 1917, and was completed November 15, 1917. The street varies in width from 25 to 30 feet and the roadway from 15 to 20 feet in width. The contractor did the subgrading, reset the edgestone and paved the roadway with Acme asphalt on a 6-inch Portland cement concrete base, and laid the brick block gutters, 2½ feet wide, on a 6-inch concrete base, grout joints; artificial stone sidewalks were constructed. The former surface of street was macadam. The asphalt pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty.

Gaffney street, from Commonwealth avenue to Boston & Albany Railroad, is about 822 feet in length. (See "Assessment Streets.")

Glencoe street, from North Beacon across Garden street, is about 763 feet in length. (See "Assessment Streets.")

Halifax street, from South Huntington avenue to Pond View avenue. (See "Assessment Streets.")

Harwood street, from Willowwood street to Lucerne street, is about 725 feet in length. (See "Assessment Streets.")

Harvard street, from Prescott street to south side Harvard square. (Not started.)

Hillcrest street, from Elgin street to Temple street, is about 525 feet in length. (See "Assessment Streets.")

Homestead street, from Humboldt avenue to Elm Hill avenue, is about 1,125 feet in length. (See "Assessment Streets.")

Hubert street, from Shawmut avenue to Westminster street, is about 450 feet in length. (See "Assessment Streets.")

Kenton road, from Washington street 800 feet southerly. (See "Assessment Streets.")

Lithgow street, from Talbot avenue to Wainwright street, is about 683 feet in length. (See "Assessment Streets.")

Lorette street, from Centre street to Hillcrest street, is about 504 feet in length. (See "Assessment Streets.")

Lorne street, from Harvard street about 650 feet northerly. (See "Assessment Streets.")

Matchett street, from Washington street 843 feet northerly. (See "Assessment Streets.")

Maverick square, from Sumner street to Maverick street. (See "Assessment Streets.")

Moraine street, from South Huntington avenue to Jamaicaway. (See "Assessment Streets.")

Neptune road, from Bennington street to Boston, Revere Beach & Lynn Railroad Bridge, is about 1,711 feet in length. (See "Assessment Streets.")

Norfolk street, from Corbet street to Blue Hill avenue, is 3,780 feet in length. (See "Assessment Streets.")

Normandy street, from Intervale street to Devon street, is about 490 feet in length. (See "Assessment Streets.")

North Anderson street, from Fruit street across Parkman street, is about 105 feet in length. A contract to construct the surface of this street was awarded to Warren Brothers Company September 9, 1916. This is a 40-foot street with a 25-foot roadway. The contractor did the subgrading, reset some of the edgestone and laid an Acme asphalt pavement on a 6-inch concrete base, brick block gutters, 2½ feet wide, on a 6-inch concrete base, with grout joints, and constructed artificial stone sidewalks. The contractor furnished all material necessary to do the work except a little edgestone which was furnished by the city. The roadway and artificial stone sidewalks are laid under a five-year maintenance guaranty.

North Beacon street, from Cambridge street to Market street, is about 3,260 feet in length. (See "Assessment Streets.")

North Grove street, from Cambridge street to Fruit street, is about 456 feet in length. A contract to construct the surface of this street was awarded to Warren Brothers Company September 9, 1916. This street varies in width from 45 to 50 feet. The contractor reset the edgestone, did the subgrading, laid an Acme asphalt pavement on a 6-inch Portland cement concrete base, with brick block gutters and constructed artificial stone sidewalks. The sidewalks, brick gutters and asphalt pavement was laid under a five-year maintenance guaranty. The contractor furnished all material on the street except what new edgestone was required. The former surface of the street was macadam.

North Russell street, from Cambridge street to Eaton street,

is about 438 feet in length. A contract to construct this street was awarded to the Bermudez Company September 20, 1917. This street is 40 feet in width with 7-foot sidewalks. The contractor did the subgrading, reset the edgestone and paved the roadway with Mexican asphalt, laid granite block gutters on a 6-inch Portland cement concrete base, with cement grout joints. Artificial stone sidewalks are to be constructed early in the spring. The asphalt pavement was laid under a five-year maintenance guaranty. The contractor furnished all material necessary to do the work. The former surface of the street was granite block.

Overland street, from Brookline avenue to Boston & Albany Railroad, is about 399 feet in length. (See "Assessment Streets.")

Orchardfield street, from Dorchester avenue to Freeport street, is about 814 feet in length. (See "Assessment Streets.")

Park street, from Tremont street to Beacon street, is about 519 feet in length. A contract to pave this street was awarded to Bernard E. Grant August 16, 1917. The contractor paved a small area of the roadway in connection with the work on Beacon street. Work on this street will be resumed early in the spring.

Parkland street, from Winship street to Academy Hill road, is about 466 feet in length. (See "Assessment Streets.")

Parkman street, from North Grove street to North Anderson street, is about 195 feet in length. A contract for constructing the surface of this street was awarded to Warren Brothers Company September 9, 1916. This street varies in width from 32–33 feet, with a roadway 20 to 21 feet in width, paved in 1916 with Acme asphalt on a 6-inch Portland cement concrete base, with brick gutters 2½ feet in width. The contractor did the excavating, reset the edgestone and paved the roadway. Artificial stone sidewalks were constructed in 1917. The contractor furnished all material necessary to do the work. The former surface of the street was asphalt. The roadway and sidewalks were laid under a five-year maintenance guaranty.

Perham street, from Vermont street to railroad, is 2,616 feet in length. (See "Assessment Streets.")

Randall street, from Albany street to Harrison avenue, is about 3,663 feet in length. (See "Assessment Streets.")

Richwood street, from Centre street to Montview street, is about 1,267 feet in length. (See "Assessment Streets.")

Ripley road, from Harvard street to Vassar street, is about 685 feet in length. (See "Assessment Streets.")

Rugby road, from Randolph road to Oakland street, is about 552 feet in length. (See "Assessment Streets.")

Santuit street, from Welles avenue to Roseland street, is about 386 feet in length. (See "Assessment Streets.")

Saville street, from Park street to Stratford street, is about 314 feet in length. (See "Assessment Streets.")

Seaver street, from Blue Hill avenue to Walnut avenue, is about 4,160 feet in length. (See "Assessment Streets.")

Selwyn street, from Farquhar street 1,174 feet northerly. (See "Assessment Streets.")

South street, from Chestnut Hill avenue to Academy Hill road, is about 616 feet in length. (See "Assessment Streets.")

South street, from Jamaica street to Arborway, is about 1,648 feet in length. A contract to construct the surface of this street was awarded to the Bermudez Company September 20, 1917. This street varies in width from 60 to 64 feet, the sidewalks are 10 feet wide. (Work not started.)

Southwick street, from Neponset avenue to Freeport street, is about 359 feet in length. (See "Assessment Streets.")

Temple street, from Spring street to Ivory street, is about 1,091 feet in length. (See "Assessment Streets.")

Theodore street, from Morton street about 618 feet easterly. (See "Assessment Streets.")

Tuckerman street, from Dorchester avenue to Middle street, is about 375 feet in length. (See "Assessment Streets.")

Turner street, from Washington street to Faneuil street, is about 1,255 feet in length. (See "Assessment Streets.")

Upland avenue, from Park street to Melville avenue, is about 748 feet in length. (See "Assessment Streets.")

Waldo terrace, from Washington street to Henshaw street, is about 292 feet in length. (See "Assessment Streets.")

Westwood street, from Richfield street to Wales place, is about 607 feet in length. (See "Assessment Streets.")

Wordsworth street, from Horace street to Coleridge street, 662 feet in length. (See "Assessment Streets.")

William Jackson avenue, from Chestnut Hill avenue to Academy Hill road. (See "Assessment Streets.")

West Broadway, from the west side of A street to F street, is about 2,598 feet in length. A contract to lay an asphalt pavement with brick block gutters was awarded to Warren Brothers Company September 9, 1916. The contractor did the subgrading, paved the roadway with Acme asphalt on a 6-inch concrete base, paved the gutters with brick on a concrete base, and paved the brows and dummy of the car tracks with granite blocks. The roadway as constructed is under a five-year maintenance guaranty. The section from Dorchester avenue to A street was omitted because of the delay in the new subway entrance. The former surface of the street was granite block pavement.

WOOD BLOCK PAVEMENT.

Boylston street, from Tremont street to Washington street, is about 531 feet in length. A contract to construct the surface of this street was awarded to Warren Brothers Company September 9, 1916. The roadway was paved with wood block on a 6-inch Portland cement concrete base, sand bed and

joints. The Boston Elevated Railway paved their track with wood blocks. The contractor furnished all material necessary to do the work. The roadway was laid under a five-year maintenance guaranty. The former surface of the street was granite block.

Tremont street, from Boylston street to Common street, is about 885 feet in length with a roadway 40 feet and sidewalk 10 feet in width. A contract for paving this street with wood block pavement was awarded to Bernard E. Grant. The contractor did the excavating, reset the edgestone, relayed the brick sidewalks, brought up the existing concrete base and paved the roadway with wood block, sand joints, on one (1) inch mortar bed. The intersection of Eliot street was paved with special cut granite blocks with pitch joints on concrete base. The straight edgestone and corners were furnished by the city and hauled by the contractor. The sidewalk brick were furnished by the city on the line of the work. All other materials were furnished by the contractor. The car tracks were set to grade and the space between the rails were paved with wood block on a 6-inch concrete base, grout joints, by the Boston Elevated Railway. The wood block and granite block pavements were laid under a five-year maintenance guaranty. This street is completed with the exception of a small area of artificial stone sidewalks. The former surface of the street was granite block pitch joints on a concrete base. Work will be resumed early in the spring.

Washington street, from Court avenue to Beach street, is about 2,815 feet in length, with a roadway 27 to 40 feet in width and sidewalks 8 to 17 feet in width. A contract for paving this street with wood block was awarded to Bernard E. Grant August 16, 1917. The contractor removed the existing wood block, reset the edgestone, relaid the brick sidewalks where directed, cleaned the existing concrete base, paved the roadway with new wood block on a one (1) inch mortar bed, with sand joints. Where the existing wood block was found to be in good condition between the car tracks it was not disturbed. On portions of the street the space between the rails were paved with new wood blocks by the Boston Elevated Railway. All materials, including the wood blocks, were furnished by the contractor. The wood block pavement is laid under a five-year maintenance guaranty. This street is completed with the exception of a small area of wood block pavement and the artificial stone sidewalks.

ASSESSMENT STREETS.

The following streets have been constructed or are in the process of construction under the provisions of chapter 393 of the Acts of 1906 and acts in amendment or in addition thereto:

Alexander street, from Bird street to 527 feet northerly. The contract for constructing the surface of this street was awarded

to James Doherty June 16, 1916. It is a 40-foot street, with a 26-foot roadway, paved with granite block on a 6-inch concrete base, granite edgestone, flagging crosswalks and artificial stone sidewalks. The straight edgestone and flagging was furnished by the city and hauled by the contractor. The city furnished the circular edgestone on the line of the work. All other materials were furnished by the contractor. The artificial stone sidewalks were laid under a five-year maintenance guaranty. This work was done, with the exception of a small portion of the sidewalks, in 1916.

Alger street, from Dorchester avenue to New York, New Haven & Hartford Railroad, is about 549 feet in length. A contract for furnishing and placing filling in this street was awarded to Frank J. Hannon November 7, 1917. Work was started November 12 and is still in progress.

Amory street, from Centre street to Bragdon street, is about 1,408 feet in length. A contract for constructing the surface of the street was awarded to James Doherty August 21, 1916. Work was started in 1916. It is a 50-foot street, with a 34-foot granite block roadway, grout joints, on a 6-inch Portland cement concrete base, granite edgestone and 8-foot artificial stone sidewalks. The street car tracks extending from Centre street to about 600 feet southerly were resurfaced by the Boston Elevated. The straight edgestone was furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The artificial stone sidewalks and roadway were laid under a five-year maintenance guaranty.

Atkins street, from Washington street to Stratton street, is about 618 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company October 9, 1916. Work was begun May 25, 1917, and completed August 13, 1917. It is a 40-foot street, with second-hand granite block gutters 2½ feet in width, laid on a Portland cement concrete base 4 inches in depth with cement grout joints, a sheet asphalt pavement laid on a 4-inch Portland cement concrete base, granite edgestone and artificial stone sidewalks 7 feet in width. The asphalt pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor.

Augustus avenue, from Metropolitan avenue to Ethel street, is about 387 feet in length. A contract for constructing the surface of this street was awarded to Martino DeMatteo October 14, 1916. Work was started October 23, 1916, and suspended November 17, 1916. Work was resumed April 12, 1917, and completed July 12, 1917. The work done this year consisted of constructing the 6-inch bituminous macadam

roadway and artificial stone sidewalks. The remainder of the work was done last year. The artificial stone sidewalks were laid under a five-year maintenance guaranty. The bituminous binder (Bermudez road asphalt) was furnished and applied by the city.

Bardwell street, from South street to Ballard street, is about 613 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company July 18, 1916. Work was begun September 11, 1916, and suspended December 15, 1916. Work was resumed June 11, 1917, and completed June 30, 1917. With the exception of the sheet asphalt for the roadway this street was completed in 1916. The asphalt pavement was laid under a five-year maintenance guaranty.

Bexley road, from Washington street to Florence street. (Not started.)

Blake street, from Hyde Park boundary line to Randolph road, is about 142 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company October 9, 1917. Work was begun June 8, 1917, and completed August 31, 1917. It is a 40-foot street, with second-hand granite block gutters 2½ feet in width, laid on a 4-inch concrete base with grout joints, asphalt pavement laid on a 4-inch concrete base, granite edgestone and artificial stone sidewalks 7 feet in width. The sheet asphalt pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone, corners and granite blocks for the brows were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor.

Breck avenue, from Washington street to Langley road, is about 207 feet in length. A contract for constructing the surface of this street was awarded to Martino DeMatteo October 14, 1916. Work was begun October 5, 1917, and completed December 7, 1917. It is a 45-foot street, with a 6-inch bituminous macadam roadway, granite edgestone and artificial stone sidewalks 8 feet in width. The artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone was furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. The bituminous binder (Socony asphalt) was furnished and applied by the city. All other materials were furnished by the contractor.

Caledonian avenue, from Spring street 210 feet southerly. A contract for excavating and grading this street was awarded to Frank Drinkwater November 13, 1916. Work was begun December 9, 1916, and completed August 16, 1917. The work done this year consisted of excavating earth and rock and grading.

Caspian way, from Savin Hill avenue about 520 feet easterly. A contract for constructing the surface of this street was awarded to Martino DeMatteo October 14, 1916. Work was begun May 14, 1917, and completed September 11, 1917. This street is from 25 to 50 feet in width, with an asphalt macadam roadway, granite edgestone and artificial stone sidewalks. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone and asphalt binder were furnished by the city on the line of the work. All other materials were furnished by the contractor. The artificial stone sidewalks were laid under a five-year maintenance guaranty.

Carmel street, from Tremont street to Delle avenue. (Not started.)

Centervale park, from Upland avenue to Bourneside street, is about 517 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company July 28, 1916. Work was begun August 10, 1916, and suspended November 27, 1916. Work was resumed May 26, 1917, and completed June 2, 1917. It is a 72-foot street, with two 19-foot roadways and a 20-foot loam space, granite edgestone and artificial stone sidewalks with loam spaces. The roadways were paved with asphalt on a 4-inch concrete base. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work and all other materials were furnished by the contractor. The asphalt pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. The work done this year consisted of laying artificial stone sidewalks.

Chelsea street, from Chamber street to Foss street. Work was commenced September 15, 1917. New edgestone was set and artificial stone sidewalks laid.

Cliffmont street, from Canterbury street 1,120 feet southerly. A contract for constructing this street was awarded October 5, 1917. Work was begun November 26, 1917, and suspended December 11, 1917. It is a 40-foot street, with an asphalt macadam roadway, granite edgestone and artificial stone sidewalks, with a concrete retaining wall and fence about 270 feet in length at the southerly end of the street. About 200 feet of edgestone has been set and about one half the concrete for the wall has been placed. Work will be resumed in the spring.

Conley street, from Old Colony avenue to Tenean street, is about 473 feet in length. A contract for furnishing filling on this street was awarded to D. M. Biggs July 17, 1917. Work was started July 23, 1917, and suspended August 15, 1917. Work will be resumed early in the spring.

Cornell street, from Orange street to Colberg avenue, is about 1,437 feet in length. A contract to construct the surface of

this street was awarded to Martino DeMatteo October 14, 1916. Work was begun December 2, 1916, and suspended December 30, 1916. Work was resumed April 2, 1917, and completed October 13, 1917. It is a 40-foot street with a 6-inch bituminous macadam roadway, granite edgestone, flagging crosswalks and artificial stone sidewalks, 7 feet in width. With the exception of some rough grading the entire work was done this year. The edgestone on the southerly side was set on a crushed stone foundation. The artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone was furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. The bituminous binder (Bermudez road asphalt) was furnished and applied by the city. All other materials were furnished by the contractor.

Cummings road, from Commonwealth avenue to 835 feet easterly. A contract for constructing the surface of this street was awarded to the Central Construction Company October 9, 1916. Work was begun June 13, 1917, and completed August 29, 1917. It is a 40-foot street, with second-hand granite block gutters, 2½ feet in width, laid on a 4-inch concrete base with cement grout joints, has a sheet asphalt pavement laid on a 4-inch concrete base and artificial stone sidewalks, 4½ feet in width, with loam spaces. The sheet asphalt pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone, corners and granite blocks for brows were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor.

Dana avenue footway, from Dana avenue to Easton avenue, is about 75 feet in length. A contract to construct artificial stone walls, steps and walks in this street was awarded to James Doherty May 29, 1917. The steps, as constructed, are 14 feet wide, including the walls, about 75 feet long, covering a difference in elevation of over 22 feet. The contractor did the excavating, put in underdrains and a catch-basin, built the steps and iron fences, set the edgestone, furnished and laid granite block gutters, resurfaced coal tar concrete walks and repaired the old wooden fence. The contractor furnished all materials necessary to do the work. The artificial stone work is under a five-year maintenance guaranty. Work was started August 24, 1917, and completed October 20, 1917.

Downer avenue, from the easterly side of De Wolf street to Sawyer avenue, is about 842 feet in length. A contract for constructing the surface of this street was awarded to Martino De Matteo. Work was begun June 1, 1917, and completed August 15, 1917. It is a 40-foot street with an asphalt macadam roadway, granite edgestone and 7-foot artificial stone sidewalks. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone and

asphalt road binder were furnished by the city on the line of the work. All other materials were furnished by the contractor. The artificial stone was laid under a five-year guaranty.

Dunster road, from Centre street to Pond street, is about 1,770 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company July 18, 1916. Work was begun September 30, 1916, suspended December 15, 1916, resumed June 4, 1917, and completed June 30, 1917. The edgestone was set, grading done, concrete base for asphalt pavement laid and a part of the artificial stone sidewalks were constructed last season. The work this year consisted in completing the artificial stone sidewalks and laying the sheet asphalt pavement, both of which were laid under a five-year maintenance guaranty. All materials were furnished by the contractor this season.

Epping street, from Washington street to Norfolk street, is about 241 feet in length. The contract for constructing the surface of this street was awarded to the Central Construction, Company July 28, 1916. Work was begun November 13, 1916, and suspended December 15, 1916. It is a 30-foot street with a 20-foot asphalt roadway on a 4-inch concrete base, granite edgestone and 5-foot artificial stone sidewalks. The straight edgestone was furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The roadway and sidewalks were laid under a five-year maintenance guaranty.

Everton street, from Geneva avenue to Olney street, is about 690 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company on July 28, 1916. Work was begun September 2, 1916, and suspended December 26, 1916. Work was resumed June 2, 1917, and completed June 26, 1917. It is a 40-foot street with a 26-foot Topeka roadway on a 4-inch Portland cement concrete base, granite edgestone and artificial stone sidewalks, 7 feet in width. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The roadway and sidewalks were laid under a five-year maintenance guaranty.

Fordham road, from Commonwealth avenue to Brighton avenue, is about 624 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company on October 9, 1916. Work was begun June 13, 1917, and completed August 29, 1917. It is a 40-foot street with second-hand granite block gutters, 2½ feet in width, laid on a 4-inch Portland cement concrete base, granite edgestone in front of the houses, and artificial stone sidewalks, 7 feet in width. In front of the vacant land on each side the sidewalk was depressed to allow approach to garages which were contemplated at the time of constructing the street. The sheet

asphalt pavement and the artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone, corners and granite blocks for brows were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor.

Gaffney street, from Commonwealth avenue to Boston & Albany Railroad, is about 779 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company October 9, 1916. Work was begun November 24, 1916, suspended December 15, 1916, resumed March 23, 1917, and completed July 30, 1917. It is an 80-foot street with granite edgestone, second-hand granite block gutters, 2½ feet in width, laid on a 4-inch Portland cement concrete base, granite edgestone and artificial stone sidewalks, 10 feet in width, on east side and 20 feet wide on west side for about 630 feet from Commonwealth avenue and about 10 feet wide for the remainder. The Boston Elevated Railway Company paved its tracks with granite block on a concrete base with grout joints. Brows to this track were paved 6 inches in width with wood block on 4-inch concrete base with sand joints. The sheet asphalt, wood block pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work; all other materials were furnished by the contractor. With the exception of some grading and hauling a part of the edgestone, all work was done this year.

Glencoe street, from North Beacon street, across Garden street (not including intersection of Saybrook street), is about 763 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company on October 9, 1916. Work was begun June 19, 1917, and completed August 17, 1917. It is a 40-foot street with second-hand granite block gutters, 2½ feet in width, and laid on a 4-inch Portland cement concrete base with cement granite joints, a sheet asphalt pavement laid on a 4-inch Portland cement concrete base, granite edgestones and artificial stone sidewalks, 7 feet in width. The sheet asphalt pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestones, corners and granite blocks for brows were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor.

Goodale road (southerly side), from Blue Hill avenue 620 feet westerly. A contract for constructing artificial stone sidewalks 7 feet in width on one side of this street was awarded to Michael DeRusso & Co. Work was begun September 13, 1917, and completed September 26, 1917. All the materials were furnished by the contractor. The artificial stone was

laid under a five-year maintenance guaranty. The department forces set the edgestone, paved the gutters and did some grading.

Gove street, from Cottage street to easterly line of Venice street, is about 428 feet in length. The contract for constructing the surface of this street was awarded to the Warren Brothers Company on October 5, 1917. Work was begun October 16, 1917, and suspended December 4, 1917. It is a 50-foot street with granite edgestone, granite block gutters, 2½ feet in width, laid on a 4-inch concrete base with cement grout joints, and is to have a Topeka pavement laid on a 4-inch concrete base, and brick sidewalks 8 feet in width. The work this year consists of grading, setting the edgestone, laying the gutter, placing the concrete base for Topeka pavement, and laying Topeka pavement for a length of about 133 feet at the Venice street end. Work will be resumed in the spring. Straight edgestone and second-hand granite blocks were furnished by the city and hauled by the contractor. The circular edgestone and a small amount of sidewalk bricks were furnished by the city on the line of the work. All the other materials were furnished by the contractor.

Granada avenue, from Metropolitan avenue to Ethel street, is about 417 feet in length. A contract for constructing the surface of this street was awarded to Martino DeMatteo on October 14, 1916. Work was begun November 6, 1917, suspended December 13, 1917; resumed April 25, 1917, and completed July 17, 1917. The work this year consisted of constructing the 6-inch bituminous maçadam roadway and artificial stone sidewalks. The artificial stone sidewalks were laid under a five-year maintenance guaranty. The bituminous binder (Bermudez road asphalt) was furnished and applied by the city. All other materials were furnished by the contractor.

Grove street, from Centre street to Spring street. (Not started.)

Harvard street (Charlestown), from Prescott street to the south side of Harvard square, is about 380 feet in length. A contract to pave this street with asphalt was awarded to the Bermudez Company on September 20, 1917. The work on this street has not started as yet.

Harvard street, from Morton street to Deering road, is about 793 feet in length.

Harvard street, from Willowwood street to Lucerne street, is about 725 feet in length. A contract for constructing the surface of this street was awarded to James Doherty December 3, 1915. Work was begun August 18, 1916, and suspended December 4, 1916. Work was resumed May 21, 1917, and completed May 27, 1917. It is a 40-foot street with a 26-foot sheet asphalt roadway on a 6-inch Portland cement concrete base and artificial stone sidewalks, 7 feet in width. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was fur-

nished by the city on the line of the work. The roadway and sidewalks were laid under a five-year maintenance guaranty.

Hill Top street, from Granite avenue to Hallet street, is about 1,990 feet in length. A contract for constructing the surface of this street was awarded to Martino DeMatteo. Work was begun October 25, 1916, and suspended December 15, 1916. Work was resumed March 23, 1917, and completed November 26, 1917. It is a 50-foot street with a 30-foot asphalt macadam roadway, granite edgestones and 8-foot crushed stone sidewalks. The straight edgestone was furnished by the city and hauled by the contractor. The circular edgestone and asphalt binder was furnished by the city on the line of the work. All other materials were furnished by the contractor.

Hillcrest street, from Elgin street to Temple street, is about 525 feet in length. A contract for the construction of the surface of this street was awarded to the Central Construction Company on July 18, 1916. Work was begun August 4, 1916, suspended December 5, 1916, resumed June 13, 1917, and completed July 10, 1917. With the exception of the sheet asphalt pavement and a small part of the artificial stone sidewalks, this street was constructed last season. The sheet asphalt pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. The contractor furnished all materials for this year's work.

Homestead street, from Humboldt avenue to Elm Hill avenue, is about 1,125 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company on July 28, 1916. Work was begun October 11, 1916, and suspended December 15, 1916. Work was resumed May 14, 1917, and completed July 18, 1917. It is a 40-foot street with a 26-foot sheet asphalt roadway in a 4-inch Portland cement concrete base, granite edgestone and artificial stone sidewalks, 7 feet in width. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The roadway and sidewalks were laid under a five-year maintenance guaranty.

Hyde Park avenue (easterly side), from Tower street to Walk Hill street, is about 1,506 feet in length. A contract for constructing artificial stone sidewalks on this street was awarded to the Warren Brothers Company. Work was begun August 31, 1917, and completed September 24, 1917. New edgestones were set and new granite block gutters were laid from Walk Hill street to about 250 feet south of Walk Hill street. Edgestone was reset in part and granite block gutter relaid in part. Artificial stone sidewalks, a part 8 feet and a part 13 feet in width, were constructed under a five-year maintenance guaranty. The new straight edgestone and granite blocks were

furnished by the city and hauled by the contractor. All other materials were furnished by the contractor.

Langley road, from Breck avenue to about 571 feet easterly. A contract for constructing the surface of this street was awarded to Martino DeMatteo on October 14, 1916. Work was begun September 25, 1917, and completed December 7, 1917. It is a 40-foot street with a 6-inch bituminous macadam roadway, granite edgestone, and artificial stone sidewalks, 7 feet in width. The artificial stone sidewalks were laid under a five-year maintenance guaranty. The edgestone on the southerly side was set on a crushed stone and concrete foundation. The straight edgestone was furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. The bituminous binder (Socony asphalt) was furnished and applied by the city. All other materials were furnished by the contractor.

Lithgow street, from Talbot avenue to Wainwright street, is about 683 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company on July 28, 1916. Work was begun on October 31, 1916, and December 15, 1916. Work was resumed April 12, 1917, and completed June 9, 1917. It is a 40-foot street with a 26-foot sheet asphalt roadway on a 4-inch concrete base, granite edgestones and artificial stone sidewalks, 7 feet in width. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. The contractor furnished all the other materials. The roadway and sidewalks were laid under a five-year maintenance guaranty.

Lorette street, from Centre street to Hillcrest street, is about 504 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company on July 18, 1916. Work was begun August 1, 1916, and completed October 27, 1917. This street was practically completed last year. The work this year consisted in laying a small amount of sheet asphalt pavement at the Hillcrest street end, the contractor furnishing all materials.

Lorne street, from Harvard street about 650 feet northerly. The contract for constructing the surface of this street was awarded to the Central Construction Company October 9, 1916. Work was begun April 23, 1917, and completed October 15, 1917. This street is 40 feet in width to about 550 feet north of Harvard street, where it widens to 80 feet and continues at this width to the end. The artificial stone sidewalks are 7 feet in width, and the roadway is sheet asphalt with a 2½-foot grouted granite block gutter, both on a 4-inch concrete base. The straight edgestone was furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials

were furnished by the contractor. The roadway and sidewalks were built under a five-year maintenance guaranty.

Matchett street, from Washington street 843 feet northerly, was constructed for a length of about 852 feet. A contract for constructing the roadway was awarded to the Central Construction Company on October 9, 1916. Work was begun June 1, 1917, and completed July 7, 1917. The roadway is 26 feet in width with second-hand granite block gutters, 2½ feet in width laid on a 4-inch Portland cement concrete base, with cement grout joints and sheet asphalt pavement laid on a 4-inch Portland cement concrete base. The sheet asphalt pavement was laid under a five-year maintenance guaranty. Granite blocks for brows were furnished by the city and hauled by the contractor. All the other materials were furnished by the contractor.

Minton street, from Amory street to Brookside avenue, not started.

Moraine street, from South Huntington avenue to Jamaicaway, is about 1,418 feet in length. The construction of this street is being done by the department forces. The work this year consisted of hauling and setting edgestone.

Morton street, from Norfolk street to the easterly line of the New York, New Haven & Hartford Railroad, is about 466 feet in length. A contract to furnish filling for this street was awarded to William J. Barry on September 12, 1916. Work was begun September 4, 1916, and completed April 11, 1917.

Mt. Ida road, from Marvin street about 254 feet southerly, is a 40-foot street with a bituminous macadam roadway, granite edgestone and 7-foot artificial stone sidewalks. A contract for constructing artificial stone sidewalks on this street was awarded to Michael DeRusso & Co. Work was begun October 1, 1917, and completed October 16, 1917. The contractor furnished all the materials for the work and laid the sidewalk under a five-year maintenance guaranty.

Museum road, from Huntington avenue to the Fenway, is about 628 feet in length. The contract for constructing the surface of this street was awarded to Warren Brothers Company on October 5, 1917. Work was begun November 5, 1917, and suspended December 10, 1917. It is a 50-foot street with granite edgestones, granite block gutters, 2½ feet in width, laid on a 4-inch concrete base with cement grout joints, and is to have a Topeka pavement laid on a 4-inch concrete base and artificial stone sidewalks, 8 feet in width. The work this year consisted of setting and resetting edgestone, laying granite block gutters and laying concrete base and Topeka pavement for a distance of about 370 feet at the Huntington avenue end. The work will be resumed early in the spring. Straight edgestone and second-hand granite blocks were furnished by the city and hauled by the contractor. Circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor.

Norfolk street, from Blue Hill avenue to Corbet street, is about 3,780 feet in length. A contract for the construction of the surface of this street was awarded to the Central Construction Company. Work was begun July 31, 1917, and suspended December 12, 1917. When complete it is to be a 60-foot street with a sheet asphalt roadway, on a 6-inch concrete base, grouted granite block gutters, granite edgestone and 8-foot artificial stone sidewalks. The street has been rough graded and the edgestone has been set between Blue Hill avenue and Clarkwood street this year.

North Beacon street, from Cambridge street to Market street, is about 3,260 feet in length. A contract for the construction of the surface of this street was awarded to Coleman Brothers on June 14, 1917. The street is to be 60 feet in width for most of its length, with 10-foot artificial stone sidewalks. The contractor started work late in the fall and set some of the edgestone, but was obliged to suspend work on account of the severe weather. Work will be resumed again early in the spring. The new roadway surface is to be asphalt laid on a 6-inch Portland cement concrete base, with granite block gutters, laid on a concrete base with grout joints. The city furnished the new straight edgestone at the South End Paving Yard.

Orchardfield street, from Dorchester avenue to Freeport street, is about 814 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company. Work was begun October 10, 1916, and suspended December 8, 1916. Work was resumed June 12, 1917, and completed June 15, 1917. It is a 20-foot street with a 14-foot sheet asphalt roadway on a 4-inch cement concrete base, granite edgestone and artificial stone sidewalks, 3 feet in width. The straight edgestone and corners were furnished by the city and hauled by the contractor. The city furnished the circular edgestone on the line of the work. All other materials were furnished by the contractor. The roadway and sidewalks were laid under a five-year maintenance guaranty.

Overland street, from Brookline avenue to the Boston & Albany Railroad, is about 399 feet in length. A contract to construct this street was awarded to the James J. Coughlan Company on October 16, 1917. Work was begun October 25 and suspended November 30, 1917. This street as constructed is 40 feet wide with 6-foot artificial stone sidewalks. The contractor did the grading, set the edgestone, laid the 6-inch Portland cement concrete base and paved a portion of the roadway with granite blocks. He also furnished and laid the artificial stone sidewalks. The contractor furnished all the materials necessary to build the street. Work will be resumed in the spring.

Parkland street, from Winship street to Academy Hill road, is about 466 feet in length. A contract to construct this street was awarded to Coleman Brothers on June 14, 1917. Work was

begun August 23, 1917, and completed October 16, 1917. This street is 20 feet in width, with 3½-foot sidewalks. The contractor did the excavating, set the edgestone, paved the granite block gutters, paved the roadway with asphalt on a 4-inch Portland cement concrete base and furnished and laid the artificial stone sidewalks. The city furnished the new straight edgestone and corners at the South End Yard and circular edgestones on the line of work; the other materials necessary to do the work were furnished by the contractor. The sidewalks and asphalt pavement were laid under a five-year maintenance guaranty. The original surface of the street was gravel.

Patten street, from Hyde Park avenue to Bourne street, is about 1,192 feet in length. A contract for constructing the surface of this street was awarded to Martino DeMatteo on October 14, 1916. Work was begun November 28, 1916, and completed June 23, 1917. It is a 40-foot street with a 6-inch bituminous macadam roadway, granite edgestones, flagging crosswalks and artificial stone sidewalks, 7 feet in width. The artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone was furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. The bituminous binder (Bermudez road asphalt) was furnished and applied by the city. All other materials were furnished by the contractor.

Perham street, from Vermont street to the New York, New Haven & Hartford Railroad, is about 2,616 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company on October 9, 1916. Work was begun June 29, 1917, and completed October 10, 1917. It is a 40-foot street with second-hand granite block gutters, 2½ feet in width, laid on a 4-inch Portland cement concrete base, granite edgestones and artificial stone sidewalks. The sheet asphalt pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone, corners and granite blocks for brows were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor.

Pontiac street, from Tremont street to Hillside street, is about 936 feet in length. A contract for constructing the surface of this street was awarded to J. C. Coleman & Sons Company on October 22, 1917. This street when constructed is to be 40 feet wide with 7-foot sidewalks. Two large retaining walls have been built and considerable rock and earth cutting has been done. The edgestones are to be hauled and set, artificial stone sidewalks are to be built, block gutters laid and the roadway is to be bituminous macadam. Fences are to be built on the walls and considerable more rock and earth cutting is yet to be done.

Radford lane, from Carruth street across Bushnell street, is about 432 feet in length. This street is being constructed by the department force.

Ralston street, from Dorchester avenue to Old Colony avenue, is about 1,127 feet in length. A contract for constructing the surface of this street was awarded to William J. Rafferty & Co. on October 9, 1917. Work was begun October 18, 1917, and suspended December 15, 1917. It is a 40-foot street with granite edgestones, 5-inch crushed stone sidewalks, 7 feet in width, flagging crosswalks at Dorchester avenue, and is to have a 6-inch bituminous macadam roadway. The work this year has consisted of grading, setting the edgestone and constructing crushed stone sidewalks. Concrete retaining walls were constructed on each side for a short distance near Dorchester avenue. The work will be resumed early in the spring. The straight edgestone, second-hand granite blocks and flagging were furnished by the city and hauled by the contractor. The circular edgestones were furnished by the city on the line of the work. All other materials were furnished by the contractor.

Richwood street, from Centre street to Montview street, is about 1,267 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company on October 9, 1916. Work was begun July 16, 1917, and completed, with exception of a seal coat, December 1, 1917. It is a 40-foot street with second-hand granite block gutters, 2½ feet in width, laid on a 4-inch Portland cement concrete base with cement grout joints, Topeka pavement laid on a 4-inch Portland cement concrete base, granite edgestones, and sidewalks 7 to 13 feet in width, having artificial stone walks, 4½ to 5½ feet in width, with loam spaces. The artificial stone sidewalks and Topeka pavement were laid under a five-year maintenance guaranty. The straight edgestone was furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor.

Ripley road, from Harvard street to Vassar street, is about 685 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company on July 28, 1916. Work was begun September 25, 1916, and suspended December 11, 1916. Work was resumed May 15, 1917, and completed May 19, 1917. It is a 40-foot street with a 26-foot sheet asphalt roadway on a 4-inch Portland cement concrete base, granite edgestone, flagging crosswalks and artificial stone sidewalks 7 feet in width. The straight edgestone, flagging and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The roadway and sidewalks were laid under a five-year maintenance guaranty.

Rowell street, from Hancock street to Cushing avenue, is about 587 feet in length. The contract for constructing the

surface of this street was awarded to Martino DeMatteo October 14, 1916. Work was begun June 28, 1917, and completed September 20, 1917. It is a 40-foot street with 7-foot artificial stone sidewalks and 26-foot asphalt macadam roadway. The circular edgestone and asphalt road binder were furnished by the city on the line of the work. The artificial stone sidewalks were laid under a five-year maintenance guaranty.

Rugby road, from Randolph road to Oakland street, is about 552 feet in length. The contract for constructing the surface of this street was awarded to the Central Construction Company on October 9, 1916. Work was begun June 8, 1917, and completed September 3, 1917. It is a 40-foot street with second-hand granite block gutters, 2½ feet in width, laid on a 4-inch Portland cement concrete base with cement grout joints, sheet asphalt pavement laid on a 4-inch Portland cement concrete base, granite edgestones and artificial stone sidewalks 7 feet in width. The sheet asphalt pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone, corners and granite blocks for brows were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor.

St. Rose street, from South street about 416 feet westerly. A contract for constructing the surface of this street was awarded to Martino DeMatteo on October 14, 1916. Work was begun March 22, 1917, and completed June 30, 1917. It is a 40-foot street with a 6-inch bituminous macadam roadway, granite edgestones and artificial stone sidewalks. The artificial stone sidewalks were laid under a five-year maintenance guaranty. The straight edgestone was furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. The bituminous binder (Bermudez road asphalt) was furnished and applied by the city. All other materials were furnished by the contractor.

Santuit street, from Welles avenue to Roseland street, is about 386 feet in length. It is a 40-foot street with a Topeka roadway on a 4-inch concrete base, grouted granite block gutters, granite edgestones and 7-foot artificial stone sidewalks. A contract for constructing the artificial stone sidewalks was awarded to Michael DeRusso & Co. on August 23, 1917. Work was begun August 28, 1917, and completed September 11, 1917. The contractor furnished all the materials for the work and laid the sidewalk under a five-year maintenance guaranty.

Saville street, from Park street to Stratford street, is about 314 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company October 9, 1916. Work was begun July 3, 1917, and completed October 10, 1917. It is a 40-foot street with second-hand granite block hip gutters, 3½ feet in width, laid on 4-inch Portland cement concrete base with cement grout joints, a sheet asphalt pavement laid on a 4-inch Portland cement concrete

base, granite edgestones at street corners and sidewalks 7 feet in width, having artificial stone sidewalks, 4½ feet in width, with loam spaces. The artificial stone sidewalks and sheet asphalt pavement were laid under a five-year maintenance guaranty. The straight edgestones were furnished by the city and hauled by the contractor. The circular edgestones were furnished by the city on the line of the work. All other materials were furnished by the contractor.

Seaver street, from Blue Hill avenue across Walnut avenue, is about 4,160 feet in length. A contract for reconstructing this street was awarded to Warren Brothers Company July 17, 1917. Work was begun July 18, 1917, and completed September 20, 1917. It is a 92½-foot street with a 20-foot sidewalk, 10 feet artificial stone and 10-foot loam space on the north side, a 40-foot sheet asphalt on existing telford macadam base roadway, with grouted granite block gutters, granite edgestone on the south side only, and a street car reservation 32½ feet in width on the south side next to the roadway. The straight edgestone, corners and paving blocks were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The roadway and sidewalks were laid under a five-year maintenance guaranty.

South street, from Chestnut Hill avenue to Commonwealth avenue, is about 616 feet in length. A contract to construct this street was awarded to Coleman Brothers on June 14, 1917. Work was started July 26, 1917, and completed November 17, 1917. It is a 40-foot street with 7-foot sidewalks. The contractor did the excavating, set the edgestone, laid the granite block gutters on a concrete base with grout joints 2½ feet wide, laid the asphalt pavement on a 4-inch Portland cement concrete base, and furnished and laid the artificial stone sidewalks and driveways. The sidewalks and roadway are laid under a five-year maintenance guaranty. The city furnished the edgestone and granite blocks for brows; the other materials necessary to do the work were furnished by the contractor. The old roadway was macadam.

Southwick street, from Neponset avenue to Freeport street, is about 359 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company July 28, 1916. Work was started August 8, 1916, and suspended December 14, 1916. It is a 40-foot street with a 26-foot roadway and 7-foot sidewalks. When completed this street will have a sheet asphalt roadway on a 4-inch concrete base, granite edgestone and artificial stone sidewalks. The work done this year consisted of setting the edgestone, building the artificial stone sidewalk and placing the concrete base.

Temple street, from Spring street to Ivory street, is about 1,091 feet in length. A contract for constructing the surface

of this street was awarded to the Central Construction Company July 18, 1916. Work was begun August 16, 1916, suspended December 15, 1916, resumed April 23, 1917, and completed June 25, 1917. The edgestone was set, a part of the grading was done, and a part of the concrete base for asphalt pavement was laid last season. The work this year has consisted in completing the grading and concrete base for asphalt pavement, laying the sheet asphalt and constructing the artificial stone sidewalks. The sheet asphalt pavement and artificial stone sidewalks were laid under a five-year maintenance guaranty. All materials were furnished by the contractor this season.

Theodore street, from Morton street about 618 feet easterly. A contract for constructing the surface of this street was awarded to the Central Construction Company July 28, 1916. Work was begun November 11, 1916, and suspended December 15, 1916. Work was resumed June 27, 1917, and completed September 6, 1917. It is a 40-foot street with a 26-foot asphalt roadway on a 4-inch concrete base, granite edgestone and artificial stone sidewalks 7 feet in width. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The roadway and sidewalks were laid under a five-year maintenance guaranty.

Turner street, from Washington street to Faneuil street, is about 1,255 feet in length. A contract to construct this street was awarded to Coleman Brothers June 14, 1917. This is a 40-foot street with sidewalks 7 feet in width. The contractor did the subgrading, set the edgestone, laid granite block gutters, 2½ feet in width, on a concrete base with grout joints, laid the asphalt pavement on a 4-inch Portland cement concrete base, and furnished and laid the artificial stone driveways and sidewalks. The roadway and sidewalks are laid under a five-year maintenance guaranty. The city furnished the edgestone and granite blocks for brows; the other materials necessary to do the work were furnished by the contractor. The former surface of the street was gravel.

Upland avenue, from Park street to Melville avenue, is about 748 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company July 28, 1916. Work was begun August 9, 1916, and suspended December 15, 1916. Work was resumed May 18, 1917, and completed June 2, 1917. It is a 60-foot street with a 30-foot sheet asphalt roadway on a 4-inch Portland cement concrete base, granite edgestone and sidewalks 15 feet in width, consisting of a 5-foot artificial stone walk and a loam space. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work.

All other material was furnished by the contractor. The roadway and sidewalks were laid under a five-year maintenance guaranty.

Vista street, from Augustus avenue to Malvern road, is about 399 feet in length. A contract for constructing the surface of this street was awarded to Martino DeMatteo October 14, 1916. Work was begun October 31, 1916, suspended December 1, 1916, resumed April 16, 1917, and completed July 18, 1917. The work this year consisted of constructing the 6-inch bituminous macadam roadway and artificial stone sidewalks. The artificial stone sidewalks were constructed part 7 feet in width and part 4½ feet in width with seeded loam spaces. The artificial stone sidewalks were laid under a five-year maintenance guaranty. The bituminous binder (Bermudez road asphalt) was furnished and applied by the city. All other materials were furnished by the contractor.

Waldo terrace, from Washington street to Henshaw street, is about 292 feet in length. A contract to construct the surface of this street was awarded to Coleman Brothers June 14, 1917. Work was started July 14, 1917, and finished October 16, 1917. The street is about 20 feet in width, with sidewalks 3 feet in width for a portion of the street. Along city property the curbstone was set on the street line and the sidewalk on that side was built on the adjoining city property outside the street line. The contractor did the grading, paved granite block gutters 1½ feet wide on concrete base with grout joints, laid the asphalt pavement on a 4-inch Portland cement concrete base, and furnished and laid the artificial stone sidewalks. The sidewalks, gutters and artificial stone sidewalks were laid under a five-year maintenance guaranty. The city furnished the edgestone, corners and granite blocks for brows and the contractor furnished all other materials necessary to do the work. The old surface of the street was gravel.

Washington street, from Morton street to Asticou road, is about 510 feet in length. A contract for constructing this street was awarded to James Doherty August 30, 1916. Work was begun September 11, 1916, suspended December 15, 1916, resumed May 14, 1917, and completed May 17, 1917. With the exception of the artificial stone sidewalks this street was constructed last season. The artificial stone sidewalk was laid under a five-year maintenance guaranty. The contractor furnished all the material.

Wensley street, from Buckman street to Bickford street, is about 416 feet in length. A contract for constructing the surface of this street was awarded to Martino DeMatteo. Work was started May 9, 1917, and completed November 20, 1917. It is a 40-foot street with an asphalt macadam roadway, granite edgestones, flagging crosswalks and 7-foot artificial stone sidewalks. The straight edgestone and corners were

furnished by the city and hauled by the contractor. The circular edgestone and asphalt road binder were furnished by the city on the line of the work. All other materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

Westwood street, from Richfield street to Wales place, is about 607 feet in length. A contract for constructing the surface of this street was awarded to the Central Construction Company October 9, 1916. Work was begun November 11, 1916, and suspended December 14, 1916. Work was resumed April 28, 1917, and completed June 19, 1917. It is a 40-foot street with a 26-foot sheet asphalt roadway on a 4-inch Portland cement concrete base, granite edgestone, flagging crosswalks and artificial stone sidewalks, 7 feet in width. The straight edgestone, corners and paving blocks were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The roadway and sidewalks were laid under a five-year maintenance guaranty.

Wordsworth street, from Horace street to Coleridge street, is about 662 feet in length. A contract to construct the surface of this street was awarded to the Central Construction Company October 9, 1916. Work was started June 28, 1917, and completed August 11, 1917. It is a 50-foot street with sidewalks 8 feet wide. The contractor did the grading, set the edgestone, paved the granite block gutters, 2½ feet wide, on concrete base, with grout joints, laid the asphalt pavement on a 4-inch Portland cement concrete base and furnished and laid the artificial stone sidewalks. They also furnished and built a wooden fence at the line of the railroad property. The sidewalks, gutters and asphalt pavement are laid under a five-year maintenance guaranty. The city furnished the edgestone and granite blocks for brows and all the other materials necessary to do the work were furnished by the contractor. The original surface of the street was gravel.

Wyoming street, from Humboldt avenue to Wabeno street, is about 200 feet in length. A contract for constructing the surface of this street was awarded to Martino DeMatteo October 14, 1916. Work was begun September 10, 1917, and completed October 4, 1917. It is a 40-foot street with an asphalt macadam roadway, granite edgestones and 7-foot artificial stone sidewalks. The straight edgestone was furnished by the city and hauled by the contractor. The circular edgestone and asphalt road binder were furnished by the city on the line of the work. All other materials were furnished by the contractor. The sidewalks were laid under a five-year maintenance guaranty.

ARTIFICIAL STONE SIDEWALKS.

Adams street, from King square to Ashmont street, is about 3,450 feet in length. A contract for constructing artificial stone

sidewalks, about 8 feet in width, on both sides of this street was awarded to D. M. Biggs & Co. July 19, 1917. Work was begun August 7, 1917, and completed October 31, 1917. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone and flagging were furnished by the city on the line of the work. All other materials were furnished by the contractor. The sidewalk was laid under a five-year maintenance guaranty.

Adams street, from Richmond street to Codman street, is about 2,580 feet in length. A contract for constructing an 8-foot artificial stone sidewalk with granite edgestone and 3-foot granite block gutters on the west side of this street was awarded to Warren Brothers Company July 3, 1917. Work was begun September 6, 1917, and completed November 12, 1917. The straight edgestone, corners, paving blocks and flagging were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The sidewalk was laid under a five-year maintenance guaranty.

Ainsley street, from Rosemont street about 61 feet southerly on the west side. A contract for constructing artificial stone sidewalks, 7 feet in width, on one side of this street was awarded to D. M. Biggs & Co. July 19, 1917. Work was begun September 10, 1917, and completed September 13, 1917. All the materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

Amory street, from Boylston street to Green street, is about 2,432 feet in length. A contract for constructing artificial stone sidewalks in this street was awarded to the Warren Brothers Company August 16, 1917. Work was begun September 24, 1917, and completed November 15, 1917. Edgestone was reset in part, new circular edgestone was set and granite block gutters were laid on parts of the street. Artificial stone sidewalks were constructed on the east side from Boylston street to Green street and on the west side from Boylston street about 520 feet southerly. The new circular edgestone was furnished by the city on the line of the work. The new paving blocks were furnished by the city and hauled by the contractor. All other materials were furnished by the contractor. The artificial stone sidewalks were laid under a five-year maintenance guaranty.

Atlantic avenue (easterly side), from Summer street to 370 feet north of Congress street, is about 950 feet in length. A contract to construct artificial stone sidewalks on this street was awarded to John Landis & Co. October 17, 1917. Work was started November 5, 1917, and suspended December 7, 1917. The contractor has reset the edgestone, relaid some paving and has furnished and laid a part of the artificial stone walks, which are 12 feet wide. He was compelled to shut down the work on account of the severity of the weather and

the lateness of the season. The contract will be completed early in the spring. The sidewalk is laid under a five-year maintenance guaranty.

Auckland street, from Belfort street about 51 feet south on the easterly side. A contract for constructing artificial stone sidewalks, 7 feet in width, on one side of this street was awarded to D. M. Biggs & Co. July 19, 1917. Work was begun November 16, 1917, and completed November 17, 1917. The straight edgestones and paving blocks were furnished by the city and hauled by the contractor. All other materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

Belfort street, from Dorchester avenue to Sagamore street, is about 552 feet in length. A contract for constructing artificial stone sidewalks, 7 feet in width, on both sides of this street was awarded to D. M. Biggs & Co. July 19, 1917. Work was begun November 7, 1917, and completed November 17, 1917. The straight edgestone and paving blocks were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

Belvidere street, from Massachusetts avenue to Dalton street, is about 1,009 feet in length. A contract to construct the artificial stone sidewalks in this street was awarded to James Doherty August 19, 1916. The contractor did the excavating, reset the edgestone and furnished all material to do the work. The artificial stone sidewalks were laid under a five-year maintenance guaranty.

Brookside avenue, from Boylston street to Green street, is about 2,041 feet in length. The contract for constructing artificial stone sidewalks in this street was awarded to Warren Brothers August 16, 1917. Work was begun November 6, 1917, and suspended December 11, 1917. Work this year has consisted of setting a greater part of the edgestone, laying granite block gutters, excavating and placing cinders for artificial stone sidewalks. The straight edgestone and corners and second-hand granite blocks were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor.

Brown avenue, from Poplar street to Blakemore street, is about 2,311 feet in length. A contract for constructing artificial stone sidewalks in this street was awarded to Charles J. Jacobs Company August 7, 1917. Work was begun August 15, 1917, and suspended October 22, 1917. Edgestone was reset (a part on crushed stone and concrete foundation), granite block gutters were relaid, and artificial stone sidewalks of varying widths were constructed under a five-year maintenance guaranty. The edgestone was relocated between Allen and Rowe streets and several trees which interfered with the

proper construction of the sidewalks were removed. Straight edgestone and small corners were furnished by the city and hauled by the contractor. Circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The street was practically completed this season.

Corbet street, from Norfolk street to Morton street, is about 1,147 feet in length. A contract to construct artificial stone sidewalks in this street was awarded to James Doherty. Work was begun September 14, 1916, and suspended October 19, 1916. Work was resumed May 30, 1917, and completed June 7, 1917. It is a 40-foot street with 7-foot sidewalks. The contractor furnished all the materials to lay the artificial stone. The sidewalk was laid under a five-year maintenance guaranty.

Dix street, from Adams street about 120 feet west on the northerly side. A contract for constructing an artificial stone sidewalk, 7 feet in width, on one side of this street was awarded to D. M. Biggs & Co. July 19, 1917. Work was begun October 1, 1917, and completed October 9, 1917. All the materials for the work were furnished by the contractor and the sidewalks were laid under a five-year maintenance guaranty.

Dorchester avenue (west side), from Park street to Peabody square, is about 4,535 feet in length. A contract for constructing artificial stone sidewalk on the west side of this street was awarded to D. M. Biggs & Co. July 19, 1917. Work was begun September 17, 1917, and completed October 31, 1917. The straight edgestone, corners and paving blocks were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

Dorchester avenue, from Freeport street to Park street, is about 3,260 feet in length. A contract for constructing artificial stone sidewalks, 10 feet in width, on both sides of this street was awarded to Warren Brothers Company July 3, 1917. Work was begun July 28, 1917, and completed September 7, 1917. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All other materials were furnished by the contractor. The artificial stone sidewalk was laid under a five-year maintenance guaranty.

Dorchester avenue, at Nos. 1542, 1544, 1582 and 1588. A contract for constructing artificial stone sidewalks, 9 feet in width, was awarded to V. Grande November 23, 1916. Work was begun May 11, 1917, and completed May 28, 1917. The contractor furnished all material necessary to do the work. The artificial stone sidewalks were laid under a five-year maintenance guaranty.

Edison green, in front of No. 6. A contract for construct-

ing artificial stone sidewalks, 7 feet in width, in front of No. 6, was awarded to D. M. Biggs & Co. Work was completed November 16, 1917. All the materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

Florence street, from Ashland street to Poplar street, is about 708 feet in length. A contract for constructing artificial stone sidewalks in this street was awarded to James Doherty August 19, 1916. Work was begun June 29, 1917, and completed July 13, 1917. The edgestone was reset in part and the new circular edgestone was set. The granite block gutters were relaid in part and artificial stone sidewalks, about 8 feet in width, were constructed under a five-year maintenance guaranty. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor.

Hanover street, from Court street to Commercial street, is about 3,309 feet in length. The contract for constructing artificial stone sidewalks in this street was awarded to V. Grande October 9, 1917. Work was begun October 16, 1917, and suspended December 14, 1917. A portion of the edgestone was reset and a small amount of granite block paving was relaid. Artificial stone sidewalks were constructed from Court street to Parmenter street and Richmond street, and from Prince street to about 240 feet east of Charter street on northerly side and from Prince street to Battery street on the southerly side, under a five-year maintenance guaranty. A small amount of straight and circular edgestone were furnished by the city on the line of the work. All the other materials were furnished by the contractor. Work will be resumed as early in the spring as weather conditions will permit.

King street, from Neponset avenue to Adams street, is about 1,376 feet in length. A contract for constructing artificial stone sidewalks, 7 feet in width, on both sides of the street was awarded to D. M. Biggs & Co July 19, 1917. Work was begun July 23, 1917, and completed September 7, 1917. The straight edgestone, corners and paving blocks were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

Lamartine street, from Boylston street to Green street, is about 2,350 feet in length. A contract for constructing artificial stone sidewalks in this street was awarded to the Warren Brothers Company August 16, 1917. Work was begun September 15, 1917, and completed October 18, 1917. Straight edgestone was reset, new circular edgestone was set and artificial stone sidewalks, from 6 to 8 feet in width, were constructed under a five-year maintenance guaranty. The circular edgestone was furnished by the city on the line of the work. The

granite blocks were furnished by the city and hauled by the contractor. All the other materials were furnished by the contractor.

Neponset avenue (west side), from Boutwell street to King street, is about 1,200 feet in length. A contract for constructing artificial stone sidewalks, 10 feet in width, on the west side of this street was awarded to D. M. Biggs & Co. July 19, 1917. Work was begun July 23, 1917, and completed September 21, 1917. The straight edgestone, corners and paving blocks were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

Norfolk avenue (west side), from Shirley street to Burrell street, is about 387 feet in length. A contract for constructing an artificial stone sidewalk on this street was awarded to V. Grande November 23, 1916. Work was started April 18, 1917, and completed May 12, 1917. The contractor did the excavating, reset the edgestone, repaved the granite block gutter, laid the crosswalk and furnished all the materials and laid the artificial stone sidewalks under a five-year maintenance guaranty. The city furnished the necessary flagging at the South End paving yard.

Park street (north side), from Adams street to Clayton street, is about 730 feet in length. A contract for constructing artificial stone sidewalks, 8 feet in width, on the north side of this street was awarded to D. M. Biggs & Co. July 19, 1917. Work was begun October 26, 1917, and completed November 10, 1917. The straight edgestone, corners, paving blocks and flagging were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

Paul Gore street (north side), from No. 12 to Chestnut avenue, is about 1,350 feet in length. A contract for constructing artificial stone sidewalks on this street was awarded to the Warren Brothers Company August 16, 1917. Work was begun October 18, 1917, and completed November 13, 1917. New granite edgestone was set and new granite block gutters were set from No. 12 about 900 feet easterly and edgestone was reset and gutter relaid from about 900 feet east of No. 12 to Chestnut avenue. Artificial stone sidewalk, 7 feet in width, was constructed under a five-year maintenance guaranty. The new straight edgestone and granite blocks were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor.

Richmond street (north side), from Dorchester avenue to

Adams street, is about 1,620 feet in length. A contract for constructing artificial stone sidewalks, 7 feet in width, on the north side of this street was awarded to Warren Brothers Company July 3, 1917. Work was begun August 27, 1917, and completed October 23, 1917. The straight edgestone and corners were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

Romsey street, from Dorchester avenue to Sydney street, is about 1,114 feet in length. A contract for constructing artificial stone sidewalks, 7 feet in width, in this street was awarded to William J. Rafferty & Co. Work was begun October 1, 1917, and completed October 19, 1917. The artificial stone sidewalks were laid under a five-year maintenance guaranty. The contractor furnished all material necessary to do the work.

Ridge street, from Brown avenue to Sycamore street, is about 740 feet in length. The contract for constructing artificial stone sidewalks in this street was awarded to Charles J. Jacobs August 7, 1917. Work was begun October 10, 1917, and suspended December 8, 1917. Edgestone was set, granite block gutters laid, and artificial stone sidewalks, 6 feet in width, were constructed on the north side except about 40 feet at Sycamore street. The straight edgestone, corners and second-hand granite blocks were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor. This work will be completed in the spring as early as practicable.

Rosemont street, from Adams street to Gustine street, is about 385 feet in length. A contract for constructing artificial stone sidewalks, 7 feet in width, on both sides of the street was awarded to D. M. Biggs & Co. July 19, 1917. Work was begun August 2, 1917, and completed September 12, 1917. The corners were furnished by the city and hauled by the contractor. All other materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

St. Cecilia street, from Boylston street to Belvidere street, is about 450 feet in length. A contract to construct artificial stone sidewalks in this street was awarded to James Doherty August 19, 1916. Work was begun July 26, 1917, and completed August 24, 1917. The contractor did the excavating, set the new circular edgestone, reset the old edgestone, repaved the gutters, furnished the materials, and laid the artificial stone sidewalks under a five-year maintenance guaranty. The city furnished the new circular edgestone on the line of the work.

Scotia street, from St. Cecilia street to Dalton street, is about 658 feet in length. A contract to construct the artificial stone sidewalks in this street was awarded to James Doherty August

19, 1916. Work was begun July 20, 1917, and completed October 24, 1917. The contractor did the excavating, set and reset some edgestone, repaved the gutters and furnished the materials and laid the artificial stone sidewalks and driveways under a five-year maintenance guaranty. The city furnished the new straight edgestone at the South End Paving Yard and the circle edgestone on the line of the work.

Seymour street, from Brown avenue to Canterbury street, is about 1,149 feet in length. A contract for constructing artificial stone sidewalks on this street was awarded to the Charles J. Jacobs Company August 7, 1917. Work was started August 8, 1917, and completed September 21, 1917. The edgestone was reset in part and the granite block gutters relaid in part. Artificial stone sidewalks, 7 feet in width, were constructed under a five-year maintenance guaranty. The contractor furnished all the materials.

Sherwood street, from Ashland street to Florence street, is about 1,561 feet in length. The contract for constructing artificial stone sidewalks in this street was awarded to Charles J. Jacobs August 7, 1917. Work was begun August 30, 1917, and suspended October 18, 1917. Edgestone was set, granite block gutters laid, and artificial stone sidewalks, a part 5 feet and a part 6 feet in width, were constructed under a five-year maintenance guaranty. The straight edgestone, corners and second-hand granite blocks were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor. The street was practically completed this year.

Shirley street (south side), from Clifton street to Norfolk avenue, is about 619 feet in length. A contract to construct the artificial stone sidewalks in this street was awarded to V. Grande November 23, 1916. Work was started April 27, 1917, and completed May 14, 1917. The contractor did the excavating, set the circle stones, reset the old edgestone, laid the crosswalks, repaved the gutter, furnished the materials, and laid the artificial stone sidewalk under a five-year maintenance guaranty. The city furnished the circle edgestone on the line of the work and the flagging at the South End Paving Yard.

Stoughton street (southerly side), from 90 feet east of Columbia road to Stoughton place, is about 446 feet in length. A contract for constructing artificial stone sidewalks in this street was awarded to James Doherty August 16, 1916. Work was started July 21, 1917, and completed July 26, 1917. The contractor did the excavating, reset some edgestone, repaved some gutter, furnished the materials, and laid the artificial stone sidewalks under a five-year maintenance guaranty.

Sycamore street, from Florence street to Ashland street, is about 1,263 feet in length. The contract for constructing

artificial stone sidewalks in this street was awarded to Charles J. Jacobs August 7, 1917. Work was begun October 19, 1917, and suspended December 8, 1917. Edgestone was set, granite block gutters were laid, and artificial stone sidewalks, 7 feet in width, were practically all laid from Florence street to Prospect avenue under a five-year maintenance guaranty. The straight edgestone, corners and second-hand granite block gutters were furnished by the city and hauled by the contractor. The circular edgestone was furnished by the city on the line of the work. All the other materials were furnished by the contractor. Work will be resumed as early in the spring as practicable.

Tower street, from Hyde Park avenue to Forest Hills Cemetery, is about 1,114 feet in length. A contract for constructing artificial stone sidewalks in this street was awarded to the Warren Brothers Company August 16, 1917. Work was begun September 13, 1917, and completed September 21, 1917. Granite edgestone was reset, granite block gutters were relaid, and artificial stone sidewalks, 7 feet in width, were constructed under a five-year maintenance guaranty where sidewalks had not been previously constructed. The contractor furnished all the materials.

Walk Hill street (westerly side), from Hyde Park avenue to about 400 feet southerly. The contract for constructing artificial stone sidewalks in this street was awarded to the Warren Brothers Company August 16, 1917. Work was begun August 31, 1917, and completed September 10, 1917. A small amount of edgestone was reset, gutter relaid, and artificial stone sidewalks, 8 feet in width, were constructed under a five-year maintenance guaranty.

West Selden street, from Crossman street to about 2,100 feet easterly. A contract for constructing artificial stone sidewalks, 8 feet in width, on both sides of this street was awarded to Warren Brothers Company July 3, 1917. Work was begun July 9, 1917, and completed August 1, 1917. The corner stones were furnished by the city and hauled by the contractor. All other materials were furnished by the contractor. The artificial stone was laid under a five-year maintenance guaranty.

Work Done by Contract, 1917.

	Old.	New.	Total, Old and New.
Edgestone set	71,356 linear feet.	68,818 linear feet.	140,174 linear feet.
Crushed stone foundation for edgestone		6,538 " "	6,538 " "
Artificial stone curb laid	78 " "		78 " "
Concrete base laid	12,524 square yards.	152,548 square yards. [1]	165,072 square yards.
Granite block paving laid on gravel base, with gravel joints	16,117 " "	6,938 " " [2]	23,055 " "
Flagging crosswalks laid on gravel base, with gravel joints	305 " "	20 " "	325 " "
Granite block paving laid with grout joints	62 " "	85,084 " " [3]	85,146 " "
Flagging crosswalks laid with grout joints	42 " "	238 " " [4]	280 " "
Granite block paving laid with pitch and pebble joints	2,124 " " [5]	144 " " [3]	2,268 " "
Flagging crosswalks laid with pitch and pebble joints	40 " "		40 " "
Wood block pavement laid	7,250 " "	12,358 " " [7]	19,608 " "
Topeka pavement laid		12,752 " " [8]	12,752 " "
Asphalt and binder laid	548 " "	106,616 " " [9]	107,164 " "
Asphalt patching			40,988 " " [10]
Extra bituminous concrete binder for asphalt laid	242 cubic yards.	10 cubic yards.	252 cubic yards.
Bitulithic patching, full depth			5,827 square yards. [11]
Bitulithic surface patching			1,551 " " [12]

For explanation of notes see pages 185, 186.

Work Done by Contract, 1917.—*Concluded.*

	Old.	New.	Total, Old and New.
Brick block pavement laid (gutters)		2,181 square yards.	2,181 square yards. [12]
Macadam surface placed (asphalt penetration)		33,665 " " [13]	33,665 " "
Brick sidewalks laid	9,213 square yards.	815 " "	10,028 " "
Crushed stone sidewalks laid		4,908 " "	4,908 " "
Coal tar sidewalks laid	58 " "		58 " "
Artificial stone sidewalks laid	3,612 " "	122,193 " "	125,805 " "
Earth excavation			47,755 cubic yards.
Water box excavation			365 " "
Rock excavation			3,573 " "
Filling furnished			20,723 " "
Loam furnished and placed		221 cubic yards.	221 " "
Loam graded and seeded		13,117 square yards.	13,117 square yards.
Covers reset			631 covers.
Telford base laid	127 " "		127 square yards.
Riprap paving laid		229 " "	229 " "
Dry wells built		3	3

Explanation of Numerals on Preceding Page.

[1] Concrete base laid four (4) inches deep	69,594 square yards.		
Concrete base laid six (6) inches deep	82,954 " "		
Total concrete base laid (new)		152,548 square yards.	
[2] Laid with second-hand blocks, 4,397 square yards; replaced cobble gutters.			
[3] New blocks, formerly granite block paving, gravel joints	35,524 square yards.		
New blocks, formerly granite block paving, pitch and pebble joints	5,541 " "		
New blocks, formerly macadam surface	5,055 " "		
New blocks, formerly gravel surface	26 " "		
New blocks, formerly asphalt surface	8 " "		
Total paved with new blocks		46,154 square yards.	
Old blocks, formerly granite block paving, gravel joints	15,936 square yards.		
Old blocks, formerly granite block paving, pitch and pebble joints	888 " "		
Old blocks, formerly cobble pavement	851 " "		
Old blocks, formerly asphalt surface	23 " "		
Total paved with old blocks, relaid		17,698 square yards.	
Recut blocks, formerly granite block paving, granite joints		9,883 " "	
Second-hand blocks, formerly macadam surface	1,000 square yards.		
Second-hand blocks, formerly gravel surface	8,850 " "		
Second-hand blocks, formerly not graded, area	1,499 " "		
Total paved with second-hand blocks		11,349 " "	
Total granite block paving laid, with grout joints (new)			85,084 square yards.
[4] New flagging	1 square yard.		
Second-hand flagging	44 square yards.		
Old flagging, formerly gravel joints	173 " "		
Old flagging, formerly pitch and pebble joints	20 " "		
Total flagging crosswalks laid, grout joints (new)		238 square yards.	
[5] New blocks, formerly granite block paving, gravel joints.			
[6] New blocks, formerly granite block paving, pitch and pebble joints	878 square yards.		
Old blocks, formerly granite block paving, pitch and pebble joints	1,246 " "		
Total granite block paving laid with pitch and pebble joints (old)		2,124 square yards..	
[7] Replaced bitulithic surface	3,174 square yards.		
Replaced asphalt surface	2,786 " "		
Replaced granite block pavement, gravel joints	5,695 " "		
Replaced granite block pavement, pitch and pebble joints	105 " "		
Replaced macadam surface	570 " "		
Replaced gravel surface	28 " "		
Total wood block pavement laid (new)		12,358 square yards.	

Explanation of Numerals on Preceding Page.— *Concluded.*

[8] Replaced macadam surface	6,230 square yards.	
Replaced gravel surface	6,522 " "	
Total Topeka pavement laid (new)		12,752 square yards.
[9] Replaced granite block paving, gravel joints	12,608 square yards.	
Replaced bitulithic surface	241 " "	
Replaced macadam surface	40,822 " "	
Replaced gravel surface	48,693 " "	
Replaced not graded area	4,252 " "	
Total asphalt and binder laid		106,616 square yards.
[10] Resurfaced asphalt surface	8,909 square yards.	
Resurfaced bitulithic surface	8,625 " "	
Resurfaced macadam surface	1,090 " "	
Patching due to maintenance	21,856 " "	
Patching due to grade changes, etc	508 " "	
Total asphalt patching		40,988 square yards.
[11] Resurfaced bitulithic surface	4,034 square yards.	
Patching due to maintenance	1,669 " "	
Patching due to grade changes, etc	124 " "	
Total bitulithic patching		5,827 square yards.
[12] Patching due to maintenance	1,495 square yards.	
Patching due to grade changes, etc	56 " "	
Total bitulithic surface patching		1,551 square yards.
[13] Replaced gravel surface	25,730 square yards.	
Replaced not graded area	4,816 " "	
Resurfaced water-bound macadam on approaches, etc	3,119 " "	
Total macadam surface placed (asphalt penetration)		33,665 square yards.

Attention is called to the fact that in addition to changes in pavements shown in this table, changes are also caused by work done by department forces, Boston Elevated Railway Company, Park and Recreation Department, etc. A summary of all changes made is shown on page 67 of this report.

Work Done by Paving Service Forces, 1917.

	Old.	New.	Total, Old and New.
Edgestone set	41,083 linear feet.	10, 953 linear feet.	52,036 linear feet.
Concrete base laid			
Granite block paving with gravel joints laid	58,921 square yards.	2,869 square yards.	61,790 square yards.
Granite block paving with pitch and pebble joints laid	3,499 " "	909 " "	4,408 " "
Granite block paving with grout joints laid	1,911 " "	1,376 " "	3,287 " "
Gutter paving with gravel joints laid	20,704 " "	1,956 " "	22,660 " "
Gutter paving with pitch and pebble joints laid			
Gutter paving with grout joints laid	586 " "	856 feet	1,442 " "
Flagging crosswalks with gravel joints laid	10,411 " "	221 square yards.	10,632 " "
Flagging crosswalks with pitch and pebble joints laid			
Flagging crosswalks with grout joints laid			
Wood block pavement with sand joints laid			
Concrete pavement laid	.....	10,025 " "	10,025 " "
Tar laid on granite blocks			
Macadam surface placed (water binder)	5,482 " "	11,519 " "	17,001 " "
Macadam surface placed (tar preparations)	59,651 " "	96,406 " "	156,057 " "
Macadam surface placed (asphalt preparations)	.....	60,666 " "	60,666 " "
Macadam surface patched	788,981 " "	.....	788,981 " "
Asphalt spread on macadam (blanket coat)	50,605 " "	.....	50,605 " "
Brick sidewalks laid	56,807 " "	4,364 " "	61,171 " "
Excavating for sidewalks			
Roadway excavating	1,155 cubic feet.	.....	1,155 cubic feet.
Roadway excavating			
Gravel or crushed stone sidewalks surfaced	170,368 square yards.	2,477 " "	172,845 square yards.
Grading (no pavement laid)			
Grading (no pavement laid)			
Rock excavating			
Mack brick pavement			

FINANCIAL STATEMENT, PAVING SERVICE.

Maintenance.

Appropriation	$1,028,339 64
Transfers	43,181 72
Expended during the year	$1,071,521 36

Special Appropriations.

Granolithic sidewalks:	
Balance February 1, 1917	$34,653 31
Appropriation (from taxes)	100,000 00
	$134,653 31
Expended during the year	115,861 09
Balance January 31, 1918	$18,792 22
Reconstructing and repairing streets by contract:	
Balance February 1, 1917	$329,862 94
Appropriation (from taxes)	500,000 00
	$829,862 94
Transferred to other appropriations	82,000 00
	$747,862 94
Expended during the year	575,405 27
Balance January 31, 1918	$172,457 67

Summary of Expenditures.

Paving Service	$1,071,520 36
Highways, making of	482,643 56
Belgrade avenue extension and Beech street widening	1,373 25
Chelsea street, Charlestown widening	3,738 11
Hyde Park avenue, widening	4,486 46
Norfolk street, Dorchester, widening	9,689 11
Charles street (now Caledonian avenue), from Spring street to Hamilton street	3,047 82
Granolithic sidewalks	115,861 09
Reconstructing and repairing streets by contract	575,405 27
	$2,267,765 03

INCOME.

Statement showing the amount of bills deposited with the City Collector from February 1, 1917, to January 31, 1918, and credited to general revenue:

Edgestone and sidewalk assessments	$26,409 18
Permits	21,922 00
Services of inspectors	4,698 00
Labor, material furnished, junk sold, rents, etc.	18,546 03
	$71,575 21

Amount paid into city treasury during the year:

Edgestone and sidewalk assessments	$9,296 95
Permits	20,511 94
Services of inspectors	4,906 00
Labor, material furnished, junk sold, rents, etc.	8,753 66
	$43,468 55

Objects of Expenditures from the Maintenance Appropriation, Classified by Districts, from February 1, 1917, to January 31, 1918.

DISTRICTS.	Macadam Repairs.	Block Repairs.	Removal of Snow.	Street Cleaning.	Edgestone and Sidewalk Repairs.	Crosswalk Repairs.	Street Work.	Schedule A, Miscellaneous.	Totals.
South Boston and Dorchester North	$17,421 29	$7,071 80	$11,202 59	$2,748 21	$10,814 78	$653 28	$18,692 46	.....	$68,604 41
East Boston and Breed's Island	15,580 03	1,125 04	5,816 01	571 59	5,403 74	395 47	10,058 87	.....	38,940 75
Charlestown	6,082 78	6,715 10	7,589 32	1,656 85	5,700 74	528 12	2,569 49	.....	30,842 40
Brighton	19,897 67	23 42	7,727 57	15,683 13	1,476 02	242 96	32,542 40	.....	77,593 17
West Roxbury	41,991 30	46 98	11,207 44	14,517 46	4,144 37	1,020 18	5,201 71	.....	78,129 44
Dorchester	14,832 90	539 43	8,380 61	8,700 08	5,341 47	187 94	41,006 03	.....	78,988 46
Roxbury South and Jamaica Plain	28,992 92	3,516 39	22,025 20	34,312 79	12,857 82	975 59	10,100 33	.....	112,781 04
South End and Roxbury North	18,498 50	10,025 62	19,127 89	3,049 90	20,800 64	4,122 22	20,508 17	.....	96,132 94
Ashmont	20,514 43	.....	4,836 33	4,157 98	2,251 41	51 36	10,625 79	.....	42,437 30
North and West Ends and Back Bay	6,530 91	10,354 57	20,608 42	2,552 81	6,967 44	1,847 41	6,721 69	.....	55,583 25
Hyde Park	8,477 32	62 00	3,195 57	5,868 14	3,517 91	6 50	.....	.....	21,127 44
Miscellaneous	.....	.....	.....	.....	.....	.....	.....	$370,359 76	370,359 76
Totals	$198,820 05	$39,480 35	$121,716 95	$93,818 94	$79,276 34	$10,021 03	$158,026 94	$370,359 76	$1,071,520 36

SCHEDULE A.

Salary of division engineer (part of)		$834 00
Salary of chief engineer (part of)		1,200 00
Salaries of office clerks, stenographers and messengers		1,503 77
Salary of engineer in charge		750 00
Salaries of assistant engineers (office work)		11,426 89
Salaries of engineers and inspectors on traffic		957 07
Salaries of permit office clerks		9,575 14
Pay granted to supervisor of permits, order of court		3,269 19
Salaries of permit office inspectors		15,858 78
Salaries of inspectors on artificial stone sidewalks		2,356 86
Salaries of engineering inspectors (office work)		4,670 74
Salaries of district inspectors		1,474 69
Salaries of numbering clerks		1,196 52
Salary of medical inspector (part of)		499 99
Medical attendance on injured employee		19 25
Salary of chief veterinarian (part of)		500 00
Salary of inspector of horses		1,062 12
Salary of constable		1,396 20
Pensions paid to veterans of Civil War (retired)		11,674 38
Pensions paid to retired laborers		30,375 38
Pay allowed injured employees		2,425 71
Pay allowed employees on military service		790 22
Vacations allowed laborers and mechanics, etc.		21,700 22
Holidays, not including holidays charged to street accounts		57,560 07
Pay allowed Joseph H. Goodnow by Committee on Claims		38 50
Pay allowed veterans for G. A. R. reunions		132 00
Automobile expense, division engineer		2,235 28
Gasolene, grease, etc.	$247 74	
Repairs	449 13	
New tires and tubes	291 60	
Repairing tubes and tires	113 27	
Supplies, etc.	31 54	
Wages of chauffeur	1,092 00	
Miscellaneous	10 00	
Automobile expense, engineer in charge		2,024 99
Gasolene, grease, etc.	440 50	
Repairs	185 78	
New tires and tubes	236 24	
Repairing tires and tubes	17 04	
Supplies, etc.	32 88	
Carried forward	$912 44	$187,507 96

Brought forward	$912 44	$187,507 96
Wages of chauffeur	1,092 00	
Miscellaneous	20 55	
Automobile expense, emergency car		761 93
Gasolene, grease, etc.	281 18	
New tubes and tires	307 97	
Repairing tires and tubes	11 25	
Supplies, etc.	18 82	
Repairs	132 71	
Miscellaneous	10 00	
Automobile expense, chief inspector		2,228 48
Gasolene, grease, etc.	227 97	
Repairs	433 50	
New tires and tubes	217 41	
Repairing tires and tubes	47 73	
Storage	180 00	
Wages of chauffeur	1,092 00	
Supplies	19 87	
Miscellaneous	10 00	
Automobile expense, foreman Brighton district		2,041 49
Ford auto (net)	278 70	
Gasolene, grease, etc.	502 80	
Repairs	38 84	
New tires and tubes	156 50	
Repairing tires and tubes	89 37	
Supplies, etc.	49 78	
Wages of chauffeur	915 50	
Miscellaneous	10 00	
Automobile expense, foreman Dorchester district,		417 77
Gasolene, grease, etc.	200 08	
Repairs	57 40	
New tires and tubes	89 38	
Repairing tires and tubes	51 99	
Supplies, etc.	8 92	
Miscellaneous	10 00	
Automobile, claim agent		109 55
Gasolene, grease, etc.	36 24	
Repairs	9 79	
New tires and tubes	50 52	
Supplies, etc.	3 00	
Miscellaneous	10 00	
Newspapers, magazines, etc.		3 00
Printing		2,884 79
Postage		371 00
Stationery		706 62
Directories		10 00
Traveling expenses, car fares, etc.		770 58
Carried forward		$197,813 17

Brought forward		$197,813 17
Engineering supplies and incidentals		2,440 38
Stationery	$907 69	
Printing	408 43	
Postage	188 15	
Car fares	95	
Transit repairs	55 05	
Laboratory supplies and miscellaneous charges	880 11	
Artificial stone sidewalks (see reconstructing and repaving streets by contract)		28 00
Rebates allowed to contractors	$28 00	
Asphalt and bitulithic pavements repaired (see, also, reconstructing and repaving streets by contract)		4,443 55
Temporary repairs, labor, materials, etc.	$2,046 51	
Amount paid to Warren Brothers Company, bitulithic repairs	2,397 04	
Brick block repairs, labor, materials, etc.		2,279 94
Wood block repairs, labor, materials, etc.		3,379 98
New crosswalks, not included elsewhere		424 66
Fence repairs		4,330 68
Plank walk repairs		2,134 50
Edgestones, sidewalks and gutters (new) not included elsewhere		13,453 52
Rent of land, wharves, etc. (net)		2,200 75
Taxes (net)		262 55
Wharfage		30 00
Expense of stables, including drivers, feeders, fodder, horseshoeing, repairs to harnesses, wagons, carts, etc.	$138,076 03	
Amount earned by department teams	123,753 50	
		14,322 53
Electric lighting at yards and stables		1,337 71
Gas lighting at yards and stables		205 92
Fuel for heating yard buildings, offices and stables,		3,170 24
Electric appliances, labor and stock, yards and stables		67 25
Street paver, 20 cubic feet capacity, with 12 horse power boiler		2,851 60
Rent of towels		142 80
Stoves, pipes, grates, etc.		180 77
Telephone service		1,728 31
Derricks, repairing, etc.		56 70
Carried forward		$257,285 51

Brought forward		$257,285 51
Oil for lighting around defects, etc.		928 27
Furniture		23 18
Asphalt plant, materials, labor, etc.		1,239 39
Kinney heater and sprayer (300 gallons)		795 00
Kinney tar kettle (125 gallons)		350 00
Kinney tar kettle (100 gallons)		105 00
Concrete mixer, rental of		423 27
Ice		28 34
Oatmeal		70 60
Signs, making and putting up		10,891 51
Labor at snow dumps		1,054 06
Tools, hardware, etc., new, cost of repairing, etc.,		20,005 39
Labor, helping Fuel Commission		315 24
Repairs at Traverse Street Subway		14 62
Expense of yards, including salaries of foremen, clerks, yardmen, watchman, tool wagons, etc.		39,284 97
Repairs of yard buildings, stables, sheds, shanties, etc.		4,700 22
Sanding icy and slippery streets		8,988 47
Repairing culverts and building new culverts		106 03
Hoister engine, fuel and supplies		217 23
Uniforms, etc.		45 00
Trimming and removing trees		114 25
Ensigns		79 90
Chests for Central Office, making of		41 83
Premium on surety bonds		21 00
Freight and cartage		67 55
Marking catch-basins		405 43
Asphalt, oil, analysis and paving block testing		64 35
Photographs		72 50
Cleaning catch-basins		1,018 90
Sanitary Service, work done and materials furnished, not shown elsewhere		2,000 82
Sewer Service, work done and materials furnished, not shown elsewhere		12 00
Park and Recreation Department, war gardens, Franklin Park		4,050 25
Work done and materials furnished individuals, corporations, etc.		780 58
Stock, materials	$66,683 45	
Stock, handling and teaming	29,866 20	
	$96,549 65	
Less stock delivered on streets	82,023 17	
		14,526 48
Carried forward		$370,737 02

Brought forward		$370,737 02
Steam rollers, cost of operating, repairing, etc.	$19,448 88	
Steam rollers, amount earned	18,839 00	
		609 88
		$370,737 02
Less amount earned by concrete mixers		226 26
		$370,510 76
Amount due highways, making of, for materials	$146 00	
Amount due reconstructing and repairing streets, by contract	5 00	
		151 00
Total		$370,359 76

STREET WORK DONE BY DEPARTMENT FORCE AND CHARGED TO MAINTENANCE APPROPRIATION SHOWN IN DETAIL. WORK ON OTHER STREETS SHOWN ON LARGE INSERT.

Beacon street, from Newton line toward Cleveland circle. (Work started in 1916.) Concrete roadway built 6 inches deep. (Work done in 1917.) Length, 3,265.6 feet. Area, 9,069 square yards concrete roadway; 9,353 square yards tar macadam gutters laid 3 inches deep. (Entire area, 15,502 square yards concrete roadway 7 inches deep and 14,329 square yards tar macadam gutters laid 3 inches deep; 5,581 feet long.)

Labor, excavating for edgestone	$240 01	
Labor, resetting edgestone	130 04	
Labor, gutter excavating	433 05	
Labor, street cleaning	104 65	
Labor, crushed stone walks	254 09	
Labor, excavating roadway	2,465 11	
Labor, spreading stone	1,133 20	
Labor, mixing concrete and placing same	3,614 15	
Teaming	719 99	
Steam roller	857 25	
Crushed stone, 3,591 tons	5,322 41	
Lime, hydrated, 43 tons	540 50	
Gravel, 815 cubic yards	880 55	
Cement, 3,381 barrels	7,270 73	
Tarvia, 21,000 gallons	1,815 00	
Lumber	124 00	
Concrete mixer, hire of	945 00	
Canvas covering, 846 pounds	105 75	
Flagging, 925 feet	333 00	
Hardware	78 30	
Fuel	64 75	
Wearing apparel	7 56	
Hose	10 00	
Wire mesh, 9,333 square yards	1,866 67	
		*$29,315 76

* Total cost, $46,937.23.

Charles street, from Dorchester avenue to Geneva avenue. (Work done in 1916.)

Hire of concrete mixer	$250 00	
Cement, 180 barrels	299 25	
Sand, 129 cubic yards	161 25	
Hardware	84	
		* $711 34

SPECIAL APPROPRIATIONS.

Belgrade avenue extension and Beech street, widening. (Work not started.)

Engineering (Bridge Service)	$1,354 90	
Engineering expense	1 55	
Photographs	16 80	
		$1,373 25

Charles street (now Caledonian avenue), from Spring street to Hamilton street. (Work unfinished.) Length, 210 feet. Area, 933 square yards. Earth and rock excavation and grading.

Engineering		$186 58	
Inspection		463 72	
Engineering expense		17 52	
Amount paid to Frank Drinkwater, under contract:			
470 cubic yards earth excavation @ $1	$470 00		
1,108 cubic yards rock excavation @ $2	2,216 00		
	$2,686 00		
Less amount paid in 1916,	306 00		
		2,380 00	
			$3,047 82

Chelsea street, Charlestown, widening. Chamber street to Foss street. (Work unfinished.)

Engineering	$94 56	
Engineering expense	95	
Labor, edgestone excavating	396 22	
Labor, edgestone setting	262 95	
Labor, carpenter	376 00	
Labor, excavating crosswalks	95 32	
Labor, excavating roadway	949 44	
Labor, relaying brick walks	90 65	
Labor, on gravel walks	103 60	
Labor, cleaning roadway	285 28	
Labor, sanding roadway	142 98	
Labor, rebuilding fences	228 93	
Rebates allowed on artificial stone walks	165 48	
Teaming	234 00	
Lumber	66 00	
Photographs	12 00	
Sand	3 30	
Gravel	1 60	
Edgestone, 184 feet 8 inches straight and 78¾ feet circular	228 85	
		$3,738 11

* Total cost, $7,983.06.

Hyde Park avenue, widening. (Work not started.)

Engineering	$418 31	
Engineering expense	17 34	
Advertising	8 70	
Photographs	6 00	
Lumber	16 40	
Nails	21	
Cement	3 26	
Teaming	1,424 00	
Labor, grading and filling	1,572 24	
Amount paid to Soley & Blair, Inc., under contract:		
Moving building	1,020 00	
		$4,486 46

Norfolk street, Dorchester, widening, from Corbet street to Blue Hill avenue. Length, 3,663 linear feet. Area, 18,000 square yards. Earth and rock excavated and edgestone set. (Work unfinished.)

Engineering		$2,256 45	
Inspection		329 31	
Engineering expense		14 85	
Advertising		5 40	
Edgestone, 2,250 feet 6 inches straight		1,620 30	
Lumber		7 33	
Photographs		11 00	
Labor, handling stock		29 83	
Labor, making templets		14 00	
Amount paid to Central Construction Company, under contract:			
4,700 cubic yards earth excavation @ $1.19	$5,593 00		
65 cubic yards rock excavation @ $8	520 00		
500 linear feet straight edgestone and corners hauled and laid @ 29c.	145 00		
200 linear feet circular edgestone set @ 29c.	58 00		
130 linear feet existing edgestone reset @ 29c.	37 70		
	$6,353 70		
Less 15 per cent retained,	953 06		
		5,400 64	
			$9,689 11

GRANOLITHIC SIDEWALK CONSTRUCTION.

Adams street (west side), from Codman street to Richmond street. Length, 2,580 linear feet. Area, 17,131 square feet. Artificial stone sidewalks were constructed.

Engineering	$337 13	
Inspection	148 07	
Engineering expense	8 86	
Advertising	1 50	
Edgestone, 2,123 feet straight, 16 small corners and 283 feet 5½ inches circular	1,944 12	
Carried forward	$2,439 68	

Brought forward		$2,439 68	
Blocks, 32,900 second hand		658 00	
Labor, handling stock		3 26	
Paid for removing trees		100 00	
Amount paid to Warren Brothers Company, under contract:			
2,050 linear feet straight edgestone hauled and set @ 30c.	$615 00		
280 linear feet circular edgestone set @ 23c.	64 40		
750 square yards granite block paving hauled and laid @ 85c.	637 50		
50 square yards existing granite block paving relaid @ 60c.	30 00		
16,000 square feet artificial stone sidewalks furnished and laid @ 18c.	2,880 00		
500 square feet artificial stone driveways furnished and laid @ 22c.	110 00		
	$4,336 90		
Less 15 per cent retained,	650 54		
		3,686 36	
			$6,887 30

Adams street, from King square to Ashmont street. Length, 3,450 linear feet. Area, 42,703 square feet. Artificial stone sidewalks and driveways were constructed.

Engineering		$660 20	
Inspection		160 84	
Engineering expense		12 65	
Advertising		1 04	
Edgestone, 2,551 feet 4 inches straight, 10 small corners, 1 large corner and 114 feet 4 inches circular		2,020 52	
Labor, stonecutter		7 00	
Teaming		8 00	
Amount paid to D. M. Biggs & Co., under contract:			
1,904 linear feet straight edgestone and corners hauled and set @ 30c.,	$571 20		
174 linear feet circular edgestone set @ 29c.	50 46		
3,410 linear feet existing edgestone reset @ 18c.	613 80		
220 linear feet crushed stone and concrete foundation furnished and placed @ 35c.	77 00		
1,883 square yards existing granite block paving relaid, gravel joints, @ 50c.	941 50		
Carried forward	$2,253 96	$2,870 25	

Brought forward	$2,253 96	$2,870 25	
10 square yards existing flagging crosswalks relaid, gravel joints, @ 90c.	9 00		
41,740 square feet artificial stone sidewalks furnished and laid @ 18c. . .	7,513 20		
963 square feet artificial stone driveways furnished and laid @ 18c. . .	173 34		
	$9,949 50		
Less 15 per cent retained,	1,492 42		
		8,457 08	
			$11,327 33

* *Ainsley street*, from Rosemont street southerly. Artificial stone sidewalks constructed.

Amount paid to D. M. Biggs & Co., under contract:		
21 linear feet existing edgestone reset @ 18c.	$3 78	
2 square yards existing granite block paving relaid, gravel joints, @ 50c. .	1 00	
382 square feet artificial stone sidewalks relaid @ 18c.	68 76	
	$73 54	
Less 15 per cent retained	11 03	
		$62 51

Amherst street, from Belgrade avenue to Penfield street. (Work not started.)

Engineering	$16 50	
Advertising	92	
		$17 42

Amory street, from Boylston street to Green street. Length, 2,432 linear feet. Area, 16,833 square feet. Artificial edgestone reset, artificial stone sidewalks and artificial stone driveways constructed.

Engineering	$215 76	
Inspection	46 30	
Engineering expense	3 85	
Advertising	1 00	
Blocks, 28,850 second-hand	577 00	
Edgestone, 46 feet 4 inches circular . .	58 38	
	$902 29	
Credit: Bricks	19 60	
	$882 69	
Amount paid to Warren Brothers Company, under contract:		
1,900 linear feet existing edgestone reset @ 21c. .	$399 00	
Carried forward . . .	$399 00	$882 69

* Done in connection with Adams, Belfort, etc., streets.

Brought forward . . .	$399 00	$882 69	
600 square yards granite block paving hauled and laid @ 90c. . .	540 00		
15,200 square feet artificial stone sidewalks furnished and laid @ 20c. . . .	3,040 00		
500 square feet artificial stone driveways furnished and laid @ 24c. . .	120 00		
	$4,099 00		
Less 15 per cent retained,	614 85		
		3,484 15	
			$4,366 84

Aspen street, from Copeland street to Montrose street. Repaired artificial stone sidewalks.

Amount paid to William J. Rafferty Company:
1,496 square feet artificial stone sidewalks relaid @ 25c., $374 00

Auckland street, from Belfort street about 51 feet southerly. Length, 51 linear feet. Area, 328 square feet. Edgestone reset, gutters repaved and artificial stone sidewalks constructed.

Amount paid to D. M. Biggs & Co., under contract:

52 linear feet straight edgestone hauled and set @ 30c.	$15 60	
23 square yards granite block paving hauled and laid, gravel joints, @ $1 . . .	23 00	
328 square feet artificial stone sidewalks furnished and laid @ 18c.	59 04	
	$97 64	
Less 15 per cent retained	14 65	
		$82 99

Beech street, from West Roxbury Parkway to Hobson street. (Work not started.)

Engineering	$166 12	
Engineering expense	2 10	
Advertising	92	
		$169 14

Belfort street, from Dorchester avenue to Sagamore street. Length, 552 linear feet. Area, 6,412 square feet. Artificial stone sidewalks and driveways were constructed.

Engineering	$40 89	
Inspection	43 34	
Advertising	1 04	
Engineering expense	1 30	
Labor, handling stock	2 03	
Edgestone, 135 feet 2 inches straight and 28 feet 3 inches circular	132 92	
Blocks, 6,700	134 00	
	$355 52	
Credit: Bricks	45 00	
Carried forward	$310 52	

Brought forward		$310 52	
Amount paid to D. M. Biggs & Co., under contract:			
80 linear feet straight edgestone and corners hauled and set @ 30c.	$24 00		
29 linear feet circular edgestone set @ 29c.	8 41		
477 linear feet existing edgestone reset @ 18c.	85 86		
192 square yards granite block paving hauled and laid, gravel joints, @ $1	192 00		
98 square yards existing granite block paving relaid, gravel joints, @ 50c.	49 00		
5 square yards existing brick sidewalks relaid @ 50c.	2 50		
6,412 square feet artificial stone sidewalks furnished and laid @ 18c.	1,154 16		
	$1,515 93		
Less 15 per cent retained	227 39		
		1,288 54	
			$1,599 06

Belvidere street, from Massachusetts avenue to Dalton street. Length, 790 linear feet. Area, 6,687 square feet. Artificial stone sidewalks constructed.

Engineering		$76 93	
Inspection		25 01	
Engineering expense		1 60	
		$103 54	
Credit: Bricks		70 00	
		$33 54	
Amount paid to James Doherty, under contract:			
860 linear feet existing edgestone reset @ 15c.	$129 00		
6,683 square feet artificial stone sidewalks furnished and laid @ 16½c.	1,085 99		
		1,214 99	
			$1,248 53

Birch street, from Penfield street to Corinth street. (Work not started.)

Engineering	$7 50	
Advertising	91	
Labor, handling stock	40	
		$8 81

Bourne street (north side), from Walk Hill street to Patten street. (Work done in 1915.)

Engineering	$16 00

Brooks street, from Faneuil street to Hobart street. (Work not started.)

Engineering		$40 50	
Engineering expense		50	
Advertising		1 32	
			$42 32

Brookside avenue, from Boylston street to Green street. Length, 2,041 linear feet. Area, 400 square yards. Edgestone set and gutters repaved. (Work unfinished.)

Engineering		$87 07	
Inspection		128 73	
Engineering expense		4 00	
Advertising		1 00	
Labor, handling stock		34 26	
Blocks		294 00	
Edgestone, 2,193 feet straight and 28 small corners		1,681 34	
Amount paid to Warren Brothers Company, under contract:			
1,650 linear feet straight edgestone and corners hauled and set @ 35c.	$577 50		
150 linear feet existing edgestone reset @ 21c.	31 50		
350 square yards granite block paving hauled and laid @ 90c.	315 00		
	$924 00		
Less 15 per cent retained,	138 60		
		785 40	
			$3,015 80

Brown avenue, from Poplar street to Blakemore street. Length, 2,361 linear feet. Area, 22,000 square feet. Edgestone was set, gutters paved and artificial stone sidewalks were constructed.

Engineering		$527 49	
Inspection		154 39	
Engineering expense		10 15	
Advertising		91	
Lumber		6 44	
Nails		18	
Edgestone, 145 feet straight, 88 feet circular and 12 small corners		263 43	
Labor, back board		8 00	
Teaming		12 00	
Amount paid to Charles J. Jacobs Company, under contract:			
Removing trees, bushes, etc.	$100 00		
4 cubic yards rock excavation @ $10	40 00		
80 linear feet circular edgestone set @ 20c.	16 00		
2,125 linear feet existing edgestone reset @ 18c.	382 50		
540 linear feet concrete foundation furnished and laid @ 20c.	108 00		
Carried forward	$646 50	$982 99	

Brought forward . . .	$646 50	$982 99	
700 square yards existing granite block paving relaid @ 50c. . .	350 00		
22,000 square feet artificial stone sidewalks furnished and laid @ 18c. . .	3,960 00		
Extra work — Remove 24 trees and stumps: Removing trees and stumps	990 00		
	$5,946 50		
Less 15 per cent retained,	891 98		
		5,054 53	
			$6,037 52

Central avenue (westerly side), from Webster street to Lincoln street. (Work not started.)

Engineering	$21 00	
Engineering expense	99	
		$21 99

Cleveland place, from Margaret street to Snow Hill street. (Work not started.)

Engineering	$21 52	
Engineering expense	5	
Advertising	2 35	
		$23 92

Corbet street, from Norfolk street to Morton street. Length, 1,155 linear feet. Area, 12,410 square feet. Artificial stone sidewalks were constructed.

Engineering		$25 38	
Inspection		27 12	
Engineering expense		70	
Amount paid James Doherty, under contract:			
Removing trees, bushes, stumps, etc. . .	$1 00		
28 cubic yards water box excavation @ $1 . .	28 00		
60 square yards existing granite block paving relaid, gravel joints, @ 40c.	24 00		
12,287 square feet artificial stone sidewalks furnished and laid @ 16¼c. . .	1,996 64		
123 square feet artificial stone driveways furnished and laid @ 18c. . .	22 14		
Extra work — Remove existing edgestone and construct driveways at Nos. 76 and 84:			
5 hours, foreman, @ 62½c.,	3 13		
5 hours, stonecutter, @ 62½c.	3 13		
Carried forward . . .	$2,078 04	$53 20	

Brought forward . . .	$2,078 04	$53 20	
5 hours, paver, @ 62½c. .	3 13		
26 hours' labor @ 30c. .	7 80		
Plus 15 per cent on $17.19	2 58		
4 hours, double team, @ 75c.	3 00		
		2,094 55	
			$2,147 75

Dix street, from Adams street 120 feet westerly. Length, 120 linear feet. Area, 789 square feet. Artificial stone sidewalks were constructed.

Amount paid to D. M. Biggs & Co., under contract:			
120 linear feet existing edgestone reset @ 18c. . .	$21 60		
42 square yards existing granite block paving relaid, gravel joints, @ 50c. .	21 00		
789 square feet artificial stone sidewalks furnished and laid @ 18c. . . .	142 02		
72 square feet artificial stone driveways furnished and laid @ 18c. . . .	12 96		
	$197 58		
Less 15 per cent retained .	29 64		
		$167 94	
			$167 94

Dorchester avenue, from Park street to Peabody square. Length, 4,535 linear feet. Area, 26,783 square feet. Artificial stone driveways and sidewalks were constructed.

Engineering		$189 27	
Inspection		107 71	
Engineering expense		4 90	
Advertising		1 03	
Edgestone		26 37	
		$329 28	
Credit: Blocks	$6 00		
Bricks	49 00		
		55 00	
		$274 28	
Amount paid to D. M. Biggs & Co., under contract:			
29 linear feet circular edgestone set @ 29c. . .	$8 41		
3,177 linear feet existing edgestone reset @ 18c. .	571 86		
1,144 square yards existing granite block paving relaid, gravel joints, @ 50c.	572 00		
28 square yards existing flagging crosswalks relaid, gravel joints, @ 90c.	25 20		
Carried forward . . .	$1,177 47	$274 28	

Brought forward	$1,177 47	$274 28	
25,877 square feet artificial stone sidewalks furnished and laid @ 18c.,	4,657 86		
996 square feet artificial stone driveways @ 18c.	179 28		
	$6,014 61		
Less 15 per cent retained,	902 19		
		5,112 42	
			$5,386 70

Dorchester avenue (east side), at number, 1542, 1544, and 1582 to 1588. Length, 227 linear feet. Area, 1,613 square feet. Edgestone was reset, gutters repaved and artificial stone sidewalks constructed.

Engineering		$3 58	
Inspection		18 17	
Engineering expense		1 95	
Amount paid to V. Grande under contract.			
242 linear feet existing edgestone reset @ 25c.	$60 50		
46 square yards existing granite block paving relaid, gravel joints, @ $1	46 00		
3½ square yards existing flagging crosswalks relaid, gravel joints, @ 75c.	2 63		
1,515 square feet artificial stone sidewalks furnished and laid @ 24c.	363 60		
177 square feet artificial stone driveways furnished and laid @ 25c.	44 25		
		516 98	
			$540 68

Dorchester avenue, from Freeport street to Park street. Length, 1,600 linear feet. Area, 41,927 square feet. Edgestone reset, gutters repaved and artificial stone sidewalks constructed.

Engineering	$354 58	
Inspection	152 20	
Engineering expense	6 30	
Advertising	1 50	
Labor, handling stock	67 50	
Edgestone	65 62	
Lumber	65	
Teaming	8 00	
Removing trees	300 00	
	$956 35	
Credit: Bricks	324 50	
	$631 85	
Amount paid to Warren Brothers Company, under contract:		
11 linear feet circular edgestone set @ 23c.	$2 53	
Carried forward	$2 53	$631 85

Brought forward . . .	$2 53	$631 85	
4,585 linear feet existing edgestone reset @ 19c. .	871 15		
1,252 square yards existing granite block paving relaid @ 60c. . .	751 20		
41,927 square feet artificial stone sidewalks furnished and laid @ 18c. .	7,546 86		
1,677 square feet artificial stone driveways furnished and laid @ 22c. . .	368 94		
	$9,540 68		
Less 15 per cent retained,	1,431 10		
		8,109 58	
			$8,741 43

Dorchester avenue (easterly side), near Richmond street. Length, 200 linear feet. Area, 1,623 square feet. Edgestone reset, gutters repaved and artificial stone sidewalks constructed.

Amount paid to D. M. Biggs & Co., under contract:			
Removing trees, bushes, etc.	$5 00		
17 linear feet straight edgestone and corners hauled and set @ 50c. . .	8 50		
110 linear feet existing edgestone reset @ 15c. .	16 50		
18 square yards existing granite block paving relaid, gravel joints, @ 50c. .	9 00		
1,623 square feet artificial stone sidewalks furnished and laid @ 18c. . . .	292 14		
100 square feet artificial stone driveways furnished and laid @ 18c. . . .	18 00		
Extra work — remove existing driveway between St. Gregory's Parochial School and Richmond street and cut bottom of edgestone to fit over ledge:			
32 hours' labor @ 35c. . .	11 20		
11½ hours, stonecutter, @ 60c.,	6 90		
Plus 15 per cent on $18.10,	2 72		
		$369 96	
Less amount paid in 1916 . . .		287 46	
			$82 50

Dover street (north side), from Tremont street 58 feet easterly. Length, 72 linear feet. Area, 659 square feet. Artificial stone sidewalks were constructed.

Engineering expense		$0 30	
Amount paid to V. Grande, under contract:			
72 linear feet existing edgestone reset @ 25c. . . .	$18 00		
Carried forward . . .	$18 00	$0 30	

Brought forward	$18 00	$0 30	
16 square yards granite block paving relaid @ $1	16 00		
4 square yards brick sidewalks relaid @ 60c.	2 40		
659 square feet artificial stone sidewalks furnished and laid @ 24c.	158 16		
Extra work — Haul sidewalks to Columbia road: 3 days, double team, @ $6	18 00		
	$212 56		
Less amount paid in 1916	165 38		
		$47 18	
			$47 48

Edison green, at No. 6. Artificial stone sidewalks and driveways were constructed:

Engineering		$2 80	
Amount paid to D. M. Biggs & Co., under contract.			
44 linear feet existing edgestone reset @ 18c.	$7 92		
15 square yards existing granite block paving relaid @ 50c.	7 50		
287 square feet artificial stone sidewalks furnished and laid, @ 18c.	51 66		
	$67 08		
Less 15 per cent retained,	10 06		
		57 02	
			$59 82

Evergreen street, from South Huntington avenue to Day street. (Work not started.)

Engineering	$7 00	
Advertising	1 00	
		$8 00

Fairbanks street, from Faneuil street to Washington street. (Work not started.)

Engineering	$57 04	
Engineering expense	90	
Advertising	1 32	
		$59 26

Florence street, from Ashland street to Poplar street. Length, 717 linear feet. Area, 9,384 square feet. Artificial stone sidewalks were constructed.

Engineering	$61 95	
Inspection	24 85	
Engineering expense	2 45	
Edgestone, 51 feet 7 inches circular and 2 small corners	68 59	
Carried forward	$157 84	

Brought forward		$157 84	
Amount paid to James Doherty, under contract:			
52 linear feet circular edgestone set @ 16c. . .	$8 32		
305 linear feet existing edgestone reset @ 15c. .	45 75		
90 square yards existing granite block paving relaid, gravel joints, @ 40c. .	36 00		
8,897 square feet artificial stone sidewalks furnished and laid @ 16¼c. . . .	1,445 76		
487 square feet artificial stone driveways furnished and laid @ 18c. . . .	87 66		
Extra work — Remove edgestone and construct driveways as directed:			
6 hours, paver, @ 62½c. .	3 75		
6 hours, stonecutter, @62½c.,	3 75		
24 hours' labor @ 30c. . .	7 20		
Plus 15 per cent on $14.70,	2 21		
Extra work — Remove tree shown on plan as not to be removed:			
Removing tree . . .	85 00		
		1,725 40	
			$1,883 24

Gladstone street, from Walley street to Upland street. (Work not started.)

Engineering	$0 10

Hanover street, from Court street to Commercial street. Length, 3,309 linear feet. Area, 25,000 square feet. Edgestone reset, gutters repaved and artificial stone sidewalks constructed. (Work unfinished.)

Engineering		$177 19	
Inspection		201 53	
Engineering expense		1 95	
Advertising		2 35	
Labor, handling stock		27	
Edgestone, 19 feet straight, 18½ feet circular and 1 large corner		43 75	
Teaming		3 00	
Amount paid to V. Grande, under contract:			
30 cubic yards water box excavation @ $5 . .	$150 00		
18 linear feet circular edgestone set @ 50c. . .	9 00		
1,340 linear feet existing edgestone reset @ 35c. .	469 00		
150 square yards concrete base furnished and laid @ $1.25 . .	187 50		
200 square yards existing granite block paving relaid, pitch joints (unfinished), @ 50c. .	100 00		
Carried forward . . .	$915 50	$430 04	

Brought forward	$915 50	$430 04	
25,000 square feet artificial stone sidewalks furnished and laid @ 18c.,	4,500 00		
290 square feet artificial stone driveway furnished and laid @ 35c.,	101 50		
	$5,517 00		
Less 15 per cent retained,	827 55		
		4,689 45	
			$5,119 49

Holton street, from Everett street to Franklin street. (Work not started.)

Engineering	$13 02	
Advertising	1 32	
		$14 34

Humboldt avenue (east side), from Seaver street 87 feet northerly. (Work not started.)

Advertising	$0 86

Hyde Park avenue, from Tower street to Walk Hill street. Length, 300 linear feet. Area, 14,590 square feet. Edgestone reset, gutters repaved and artificial stone sidewalks constructed.

Engineering		$99 21	
Inspection		44 14	
Engineering expenses		2 70	
Advertising		1 00	
Blocks		64 00	
Edgestone		205 92	
Amount paid to Warren Brothers Company, under contract:			
8 cubic yards water box excavation @ $2 .	$16 00		
250 linear feet straight edgestone and corners hauled and set @ 35c.,	87 50		
760 linear feet existing edgestone reset @ 21c. .	159 60		
85 square yards granite block paving hauled and laid @ 90c. . .	76 50		
246 square yards existing granite block paving relaid @ 75c. . .	184 60		
14,590 square feet artificial stone sidewalks furnished and laid @ 20c. . .	2,918 00		
6 covers reset @ $3 . .	18 00		
	$3,460 10		
Less 15 per cent retained,	519 01		
		2,941 09	
			$3,358 06

King street, from Neponset avenue to Adams street. Length, 1,376 linear feet. Area, 5,736 square feet. Edgestone set, gutters repaved and artificial stone sidewalks constructed.

Engineering		$128 67	
Inspection		94 69	
Engineering expense		2 05	
Advertising		1 03	
Edgestone, 935 feet straight, 37 feet 6 inches circular and 3 small corners		730 10	
Block, 9,400 S. H. granite		188 00	
Amount paid to D. M. Biggs & Co., under contract:			
916 linear feet straight edgestone and corners hauled and set @ 30c.	$274 80		
20 linear feet circular edgestone set @ 29c.	5 80		
42 linear feet existing edgestone reset @ 18c.	7 56		
500 linear feet crushed stone and concrete foundation furnished and placed @ 35c.	175 00		
325 square yards granite block paving hauled and laid, gravel joints, @ $1	325 00		
5,616 square feet artificial stone sidewalks furnished and laid @ 18c.	1,010 70		
120 square feet artificial stone driveways furnished and laid @ 18c.	21 60		
	$1,820 46		
Less 15 per cent retained,	273 07		
		1,547 39	
			$2,691 93

Lamartine street, from Boylston street to Green street. Length, 2,350 linear feet. Area, 21,053 square feet. Edgestone was reset, granite block gutters laid and artificial stone sidewalks laid where none had previously been constructed.

Engineering		$302 03	
Inspection		113 02	
Engineering expense		6 70	
Advertising		1 00	
Blocks: 39,650 old granite		793 00	
Edgestone, 94 feet 8 inches circular and 14 feet straight		129 36	
		$1,345 11	
Credit: Bricks		17 50	
		$1,327 61	
Amount paid to Warren Brothers Company, under contract:			
89 linear feet circular edgestone set @ 30c.	$26 70		
3,245 linear feet existing edgestone reset @ 21c.	181 45		
1,150 square yards granite block paving hauled and laid @ 90c.	1,035 00		
Carried forward	$1,243 15	$1,327 61	

Brought forward	$1,243 15	$1,327 61	
60 square yards existing granite block paving relaid @ 75c. . .	45 00		
20,500 square feet artificial stone sidewalks furnished and laid @ 20c. . . .	4,100 00		
450 square feet artificial stone driveways furnished and laid @ 24c. . .	108 00		
	$5,996 15		
Less 15 per cent retained,	899 42		
		5,096 73	
			$6,424 34

Mapleton street, from Murdock street to Market street. (Work not started.)

Engineering	$12 00	
Advertising	1 32	
		$13 32

Market street, easterly side, from Mattapan street to Sparhawk street.

Engineering	$17 50	
Engineering expense	40	
Advertising	1 32	
		$19 22

Massachusetts avenue (east side), from Norway street 67 feet northerly. Length, 70 linear feet. Area, 1,016 square feet. Artificial stone sidewalks were constructed. (Work done in 1916.)

Amount paid to V. Grande, under contract:		
1,016 square feet artificial stone sidewalks furnished and laid @ 24c. . .	$243 84	
Less amount paid in 1916 . . .	207 26	
		$36 58

Morton street (south side), from Washington street to Forest Hills avenue. (Work not started.)

Engineering	$95 00	
Engineering expense	1 80	
Advertising	86	
		$97 66

Neponset avenue, from King street to Boutwell street. Length, 1,200 linear feet. Area, 9,460 square feet. Edgestone reset, gutters repaved and artificial stone sidewalks constructed.

Engineering	$96 77	
Inspection	65 63	
Engineering expense	3 20	
Advertising	1 03	
Edgestone	12 57	
Teaming	4 00	
	$183 20	
Credit: Blocks	40 00	
Carried forward	$143 20	

Brought forward		$143 20	
Amount paid to D. M. Biggs & Co., under contract:			
978 linear feet existing edgestone reset @ 18c. .	$176 04		
343 square yards existing granite block paving relaid, gravel joints, @ 50c. .	171 50		
8,914 square feet artificial stone sidewalks furnished and laid @ 18c. . . .	1,604 52		
546 square feet artificial stone driveways furnished and laid @ 18c. . . .	98 28		
Extra work — Removing two trees . . .	50 00		
	$2,100 34		
Less 15 per cent retained,	315 05		
		1,785 29	
			$1,928 49

Norfolk avenue (west side), from Shirley street to Burrell street. Length, 387 linear feet. Area, 2,550 square feet. Edgestone set, gutters repaved and artificial stone sidewalks constructed.

Engineering		$46 55	
Inspection		35 32	
Engineering expense		5 18	
Edgestone		12 30	
Amount paid to V. Grande, under contract:			
Removing trees, etc. . . .	$50 00		
440 linear feet existing edgestone reset @ 25c. .	110 00		
146 square yards granite block paving relaid @ $1 .	146 00		
5 square yards flagging crosswalks hauled and laid, gravel joints, @ $1,	5 00		
1 square yard existing flagging crosswalk relaid, gravel joints, @ 75c. .	75		
2,550 square feet artificial stone sidewalks furnished and laid @ 24c. . . .	612 00		
2 covers reset @ $3 . .	6 00		
		929 75	
			$1,029 10

Norway street (north side), from Massachusetts avenue to 113 feet easterly. Length, 113 feet. Area, 662 square feet. Artificial stone sidewalks were constructed. (Work done in 1916.)

Amount paid to V. Grande, under contract:			
2 cubic yards water box excavation @ $2 .		$4 00	
662 square feet artificial stone sidewalks furnished and laid @ 24c.		158 88	
1 cover reset @ $3		3 00	
		$165 88	
Less amount paid in 1916		135 05	
			$30 83

Park street (northerly side), from Clayton street to Adams street. Artificial stone sidewalks and driveways were constructed.

Engineering		$65 33	
Inspection		13 51	
Engineering expense		1 20	
Advertising		85	
Blocks, 10,100 old		202 00	
Edgestone		21 52	
Amount paid to D. M. Biggs & Co., under contract:			
28 linear feet straight edgestone hauled and set @ 30c.	$8 40		
9 linear feet circular edgestone set @ 29c.	2 61		
703 linear feet existing edgestone reset @ 18c.	126 54		
276 square yards granite block paving hauled and laid, gravel joints, @ $1	276 00		
21 square yards existing granite block paving relaid, gravel joints, @ 50c.	10 50		
5 square yards existing flagging crosswalks relaid, gravel joints, @ 90c.	4 50		
4,914 square feet artificial stone sidewalks furnished and laid @ 18c.	884 52		
169 square feet artificial stone driveways furnished and laid @ 18c.	30 42		
	$1,343 49		
Less 15 per cent retained	201 52		
		1,141 97	
			$1,446 38

Paul Gore street (north side), from No. 12 to Chestnut avenue. Length, 1,350 linear feet. Area, 8,000 square feet. Edgestone set, gutters repaved and artificial stone sidewalks constructed. (Work unfinished.)

Engineering		$111 73	
Inspection		71 34	
Engineering expense		2 85	
Advertising		1 00	
Labor, handling stock		12 81	
Edgestone, 841 feet straight, 47 feet circular and 4 small corners		679 54	
Blocks, 15,050 second-hand		301 00	
		$1,180 27	
Credit: Bricks		41 30	
		$1,138 97	
Amount paid to Warren Brothers Company, under contract:			
800 linear feet straight edgestone and corners hauled and set @ 35c.	$280 00		
Carried forward	$280 00	$1,138 97	

Brought forward	$280 00	$1,138 97	
46 linear feet circular edgestone set @ 30c.	13 80		
440 linear feet existing edgestone reset @ 21c.	92 40		
270 square yards granite block paving hauled and laid @ 90c.	243 00		
150 square yards existing granite block paving relaid @ 75c.	112 50		
8,000 square feet artificial stone sidewalks furnished and laid @ 20c.	1,600 00		
	$2,341 70		
Less 15 per cent retained,	351 26		
		1,990 44	
			$3,129 41

Richmond street (north side), from Adams street to Dorchester avenue. Length, 1,620 linear feet. Area, 7,500 square feet. Edgestone reset, gutters repaved and artificial stone sidewalks constructed.

Engineering		$124 55	
Inspection		65 53	
Engineering expense		3 05	
Advertising		1 50	
Teaming		4 00	
Edgestone		6 96	
Removing trees		300 00	
Amount paid to Warren Brothers Company, under contract:			
1,400 linear feet existing edgestone reset @ 19c.	$266 00		
400 square yards existing granite block paving relaid @ 60c.	240 00		
7,500 square feet artificial stone sidewalks furnished and laid @ 18c.	1,350 00		
250 square feet artificial stone sidewalks furnished and laid @ 22c.	55 00		
	$1,911 00		
Less 15 per cent retained,	286 65		
		1,624 35	
			$2,129 94

Ridge street, from Brown avenue to Sycamore street. Length, 740 linear feet. Area, 3,660 square feet. Edgestone reset, gutters repaved and artificial stone sidewalks constructed.

Engineering		$132 42	
Inspection		102 14	
Engineering expense		2 40	
Advertising		91	
Labor, handling stock		10	
Edgestone, 997 feet straight, 56 feet 6 inches circular and 16 small corners		998 15	
Blocks, 23,050 second-hand		461 00	
Carried forward		$1,697 12	

Brought forward		$1,697 12	
Amount paid to Charles J. Jacobs Company, under contract:			
1,300 linear feet straight edgestone and corners hauled and set @ 30c. . .	$390 00		
25 linear feet circular edgestone set @ 20c. . .	5 00		
60 linear feet existing edgestone reset @ 18c. .	10 80		
130 linear feet crushed stone and concrete foundation furnished and laid @ 20c.	26 00		
480 square yards granite block paving hauled and laid @ 85c.	408 00		
3,660 square feet artificial stone sidewalks furnished and laid @ 18c. . . .	658 80		
	$1,498 60		
Less 15 per cent retained,	224 79		
		1,273 81	
			$2,970 93

Rockwell street (north side), from Washington street to Milton avenue and (south side) from Milton avenue 190 feet easterly.

Engineering	$57 77	
Engineering expense	90	
Advertising	85	
		$59 52

Romsey street, from Dorchester avenue to Sydney street. Length, 1,114 linear feet. Artificial stone sidewalks and driveways constructed.

Engineering		$27 80	
Inspection		42 35	
Engineering expense		30	
Advertising		4 50	
		$74 95	
Credit: Bricks		9 10	
		$65 85	
Amount paid to William J. Barry & Co., under contract:			
7,911 square feet artificial stone sidewalks furnished and laid @ $0.214 . .	$1,692 95		
254 square feet artificial stone driveways furnished and laid @ $0.214 . .	54 36		
		1,747 31	
			$1,813 16

Rosemont street, from Adams street to Gustine street. Length, 385 linear feet. Area, 4,647 square feet. Artificial stone sidewalks and driveways were constructed.

Engineering	$45 47	
Inspection	21 18	
Carried forward	$66 65	

Brought forward		$66 65	
Engineering expense		1 25	
Advertising		1 03	
Edgestone		7 30	
Amount paid to D. M. Biggs & Co., under contract:			
433 linear feet existing edgestone reset @ 18c.	$77 94		
220 linear feet crushed stone and concrete foundation furnished and placed @ 35c.	77 00		
136 square yards existing granite block paving relaid @ 50c.	68 00		
4,589 square feet artificial stone sidewalks furnished and laid @ 18c.	826 02		
58 square feet artificial stone driveways furnished and laid @ 18c.	10 44		
	$1,059 40		
Less 15 per cent retained,	158 91		
		900 49	
			$976 72

Rosseter street, easterly side, from Bullard street to No. 20. (Work not started.)

Engineering		$91 77	
Engineering expense		1 10	
Advertising		85	
			$93 72

Saratoga street, from Butler avenue to Washburn avenue. (Work done in 1916.)

Engineering expense			$0 40

Scotia street, from St. Cecilia street to Dalton street. Length, 658 linear feet. Area, 4,054 square feet. Artificial stone sidewalks were constructed.

Engineering		$75 79	
Engineering expense		2 80	
Inspection		21 18	
Edgestone		96 77	
		$196 54	
Credit: Bricks		50 40	
		$146 14	
Amount paid to James Doherty, under contract:			
91 linear feet straight edgestone and corners hauled and set @ 23c.	$20 93		
13 linear feet circular edgestone set @ 16c.	2 08		
583 linear feet existing edgestone reset @ 15c.	87 45		
Carried forward	$110 46	$146 14	

Brought forward . . .	$110 46	$146 14	
174 square yards existing granite block paving relaid, gravel joints, @ 40c. .	69 60		
4,017 square feet artificial stone sidewalks furnished and laid @ 16½c. . . .	652 76		
37 square feet artificial stone driveways furnished and laid @ 18c. . . .	6 66		
1 cover reset @ $3 . .	3 00		
Extra work — Reconstruct driveways, trim circles and raise catch-basin over 6 inches:			
3 hours, mason, @ 62½c. .	1 88		
2 hours, paver, @ 62½c. .	1 25		
12 hours' labor @ 30c. . .	3 60		
8 hours, stonecutter, @ 62½c.	5 00		
Plus 15 per cent on $11.73	1 76		
1 bag cement @ 75c. . .	75		
		856 72	
			$1,002 86

Seaver street, at Walnut avenue.

Engineering		$2 00	
Advertising		86	
			$2 86

Seymour street, from Brown avenue to Canterbury street. Length, 1,149 linear feet. Area, 12,400 square feet. Edgestone reset, gutters repaved and artificial stone sidewalks constructed.

Engineering		$43 69	
Inspection		48 36	
Engineering expense		95	
Advertising		91	
Amount paid to Charles J. Jacobs Company, under contract:			
9 cubic yards rock excavation @ $10 . . .	$90 00		
700 linear feet existing edgestone reset @ 18c. .	126 00		
250 square yards existing granite block paving relaid @ 50c. . .	125 00		
12,400 square feet artificial stone sidewalks furnished and laid @ 18c.,	2,232 00		
	$2,573 00		
Less 15 per cent retained,	385 95		
		2,187 05	
			$2,280 96

Sherwood street, from Ashland street to Florence street. Length, 1,561 linear feet. Area, 14,200 square feet. Edgestone set, gutters paved and artificial stone sidewalks constructed.

Engineering		$275 03	
Inspection		119 51	
Engineering expense		5 35	
Advertising		[illegible] 91	
Edgestone, 2,545 feet straight, 140 feet circular and 12 small corners		2,169 99	
Blocks, 42,150 second-hand		843 00	
Amount paid to Charles J. Jacobs Company, under contract:			
16 cubic yards rock excavation @ $10	$160 00		
2,950 linear feet straight edgestone and corners hauled and set @ 30c.,	885 00		
175 linear feet circular edgestone set @ 20c.	35 00		
1,580 linear feet concrete foundation furnished and laid @ 20c.	316 00		
1,000 square yards granite block paving hauled and laid @ 85c	850 00		
14,200 square feet artificial stone sidewalks furnished and laid @ 18c.	2,556 00		
	$4,802 00		
Less 15 per cent retained,	720 30		
		4,081 70	
			$7,495 49

Shirley street (south side), from Clifton street to Norfolk avenue. Length, 619 linear feet. Area, 3,950 square feet. Edgestone reset, gutters repaved and artificial stone sidewalks constructed.

Engineering		$41 02	
Inspection		67 31	
Engineering expense		8 33	
Edgestone		33 02	
Amount paid to V. Grande, under contract:			
Removing trees, etc.	$50 00		
25 linear feet circular edgestone set @ 30c.	7 50		
635 linear feet existing edgestone reset @ 25c.	158 75		
140 square yards granite block paving relaid @ $1	140 00		
15 square yards flagging crosswalks hauled and laid @ $1	15 00		
3,950 square feet artificial stone sidewalks furnished and laid @ 24c.	948 00		
2 covers reset @ $3	6 00		
		1,325 25	
			$1,474 93

South street (west side), from Washington street to New York, New Haven & Hartford Railroad. (Work not started.)

Engineering	$130 53	
Engineering expense	1 20	
Advertising	86	
		$132 59

St. Cecilia street, Boylston street to Belvidere street. Length, 450 linear feet. Area, 2,705 square feet. Artificial stone sidewalks were constructed.

Engineering	$43 34	
Inspection	53 85	
Engineering expense	2 10	
Edgestone	44 47	
	$143 76	
Credit: Bricks	110 50	
	$33 26	
Amount paid to James Doherty, under contract:		
23 linear feet circular edgestone set @ 16c.	$3 68	
251 linear feet existing edgestone reset @ 15c.	37 65	
54 square yards existing granite block paving relaid, gravel joints, @ 40c.	21 60	
2,705 square feet artificial stone sidewalks furnished and laid @ 16¼c.	439 56	
	502 49	
		$535 75

Stoughton street (southerly side), 90 feet east of Columbia road to Stoughton Street place. Length, 446 linear feet. Area, 4,210 square feet. Artificial stone sidewalks were constructed.

Engineering	$19 03	
Inspection	47 08	
Engineering expense	1 65	
Labor, stonecutter	3 50	
	$71 26	
Credit: Bricks	36 00	
	$35 26	
Amount paid James Doherty, under contract:		
25 linear feet existing edgestone reset @ 15c.	$3 75	
5 square yards existing granite block paving relaid, gravel joints, @ 40c.	2 00	
4,210 square feet artificial stone sidewalks furnished and laid @ 16¼c.	684 13	
2 covers reset @ $3	6 00	
	695 88	
		$731 14

Sycamore street, from Florence street to Ashland street. Length, 1,263 linear feet. Area, 9,400 square feet. Edgestones set, gutters repaved and artificial stone sidewalks constructed.

Engineering		$180 01	
Inspection		97 49	
Engineering expense		3 20	
Advertising		91	
Labor, handling blocks		9 89	
Blocks, 16,745		334 90	
Edgestone, 1,448 feet straight, 62 feet 10 inches circular and 22 small corners		1,357 32	
Amount paid to Charles J. Jacobs Company, under contract:			
1,650 linear feet straight edgestone and corners hauled and set @ 30c.,	$495 00		
45 linear feet circular edgestone set @ 20c.	9 00		
550 square yards granite block paving hauled and laid @ 85c.	467 50		
9,400 square feet artificial stone sidewalks furnished and laid @ 18c.	1,692 00		
	$2,663 50		
Less 15 per cent retained,	399 53		
		2,263 97	
			$4,247 69

Tower street, from Hyde Park avenue to Forest Hills Cemetery. Length, 1,114 linear feet. Area, 10,340 square feet. Granite edgestone was reset, granite block gutters were relaid and artificial stone sidewalks, 7 feet in width, were constructed.

Engineering		$38 33	
Inspection		9 00	
Engineering expense		26 51	
Advertising		1 00	
Amount paid to Warren Brothers Company, under contract:			
5 cubic yards rock excavation @ $10	$50 00		
1,588 linear feet existing edgestone reset @ 21c.	333 48		
547 square yards existing granite block paving relaid @ 75c.	410 25		
10,340 square feet artificial stone sidewalks furnished and laid @ 20c.	2,068 00		
	$2,861 73		
Less 5 per cent retained,	429 26		
		2,432 47	
			$2,507 31

Tremont street (east side), from Dover street 89 feet northerly. (Work done in 1917.)

Engineering expense		$0 30	
Final payment made to V. Grande, under contract		44 40	
			$44 70

Walk Hill street, from Hyde Park avenue about 400 feet southerly (west side). Length, about 400 linear feet. Area, 2,717 square feet. Granite edgestone was reset, granite block gutters repaved and artificial stone sidewalks furnished and laid.

Engineering		$87 21	
Inspection		11 50	
Engineering expense		1 50	
Advertising		1 00	
Amount paid to Warren Brothers Company, under contract:			
1 cubic yard rock excavation @ $10	$10 00		
76 linear feet existing edgestone reset @ 21c.	15 96		
17 square yards existing granite block paving relaid, gravel joints, @ 75c.	12 75		
2,717 square feet artificial stone sidewalks furnished and laid @ 20c.	543 40		
	$582 11		
Less 15 per cent retained,	87 32		
		494 79	
			$596 00

Walk Hill street, from Hyde Park avenue to Wenham street. (Work not started.)

Advertising	$0 85

Walnut avenue at Seaver street. (Work not started.)

Advertising	$0 86

Washington street (south side), from Tip Top street to Newton line. (Work done in 1916.)

Execution of court on account of change of grade	$750 00

West Selden street, from Crossman street 2,100 feet easterly. Length, 2,100 linear feet. Area, 30,085 square feet. Granite edgestone was reset, gutters repaved and artificial stone sidewalks and driveways were laid.

Engineering		$146 54	
Inspection		52 47	
Engineering expense		3 10	
Advertising		1 50	
Edgestone		32 00	
		$235 61	
Credit: Blocks		7 50	
		$228 11	
Amount paid to Warren Brothers Company, under contract:			
2,463 linear feet existing edgestone reset @ 19c.	$467 97		
650 square yards existing granite block paving relaid @ 60c.	390 00		
Carried forward	$857 97	$228 11	

Brought forward . . .	$857 97	$228 11	
30,085 square feet artificial stone sidewalks furnished and laid @ 18c. . . .	5,415 30		
403 square feet artificial stone driveways furnished and laid @ 22c. . .	88 66		
	$6,361 93		
Less 15 per cent retained,	954 29		
		5,407 64	
			$5,635 75

Westville street (south side), from Bowdoin square to Iowa street. Artificial stone sidewalks were constructed.

Amount paid to D. M. Biggs & Co., under contract:			
120 linear feet existing edgestone reset @ 18c.,		$21 60	
39 square yards existing granite block paving relaid, gravel joints, @ 50c. . . .		19 50	
768 square feet artificial stone sidewalks furnished and laid @ 18c.		138 24	
		$179 34	
Less 15 per cent retained		26 90	
			$152 44

Westville street (north side), from Orchardale street to 205 feet east of Bowdoin street. Artificial stone sidewalks and driveways were constructed.

Engineering		$15 79	
Inspection		20 18	
Engineering expense		30	
Amount paid to D. M. Biggs & Co., under contract:			
386 linear feet existing edgestone reset @ 18c. . .	$69 48		
140 square yards existing granite block paving relaid, gravel joints, @ 59c. .	70 00		
2,206 square feet artificial stone sidewalks furnished and laid @ 18c. . . .	397 08		
139 square feet artificial stone driveways furnished and laid @ 18c. . . .	25 02		
	$561 58		
Less 15 per cent retained,	84 24		
		477 34	
			$513 61

RECONSTRUCTING AND REPAIRING STREETS BY CONTRACT.

Albany street, Dover street to Northampton street. The contractor reset the edgestone, relaid the crosswalks, relaid the brick sidewalks and furnished and laid granite block pavement on a concrete base.

Engineering		$874 86
Inspection		1,449 21
Engineering expense		36 70
Photographs		11 50
Labor, handling stock		19 27
Labor, making templets		15 43
Edgestone		67 45
Bricks, 68,000 second-hand		476 00
		$2,950 42
Credit: Blocks		1,820 00
		$1,130 42
Amount paid to B. E. Grant, under contract:		
60 cubic yards filling furnished @ 5c.	$3 00	
308 linear feet straight edgestone hauled and set @ 20c.	61 60	
300 linear feet circular edgestone set @ 16c.	48 00	
9,234 linear feet existing edgestone reset @ 12c.	1,108 08	
4,494 cubic yards concrete base furnished and laid @ $5.05	22,694 70	
3,334 square yards existing granite block paving relaid, gravel joints, @ 50c.	1,667 00	
23,798 square yards granite block paving furnished and laid, grout joints, @ $3.28	78,057 44	
254 square yards existing granite block paving relaid, grout joints, @ 85c.	215 90	
40 square yards existing flagging crosswalks relaid, gravel joints, @ 50c.	20 00	
24 square yards flagging crosswalks hauled and laid, grout joints, @ 85c.	20 40	
167 square yards existing flagging crosswalks relaid, grout joints, @ 80c.	133 60	
7,164 square yards wood block pavement furnished and laid @ $2.65	18,984 60	
1,580 square yards brick sidewalks laid @ 35c.	553 00	
2,840 square yards existing brick sidewalks relaid @ 28c.	795 20	
28,177 square feet artificial stone sidewalks furnished and laid @ 17c.	4,790 09	
Carried forward	$129,152 61	$1,130 42

Brought forward . . .	$129,152 61	$1,130 42
Extra work — Make approaches safe at street intersections and driveways:		
93 hours, foreman, @ 75c.,	69 75	
8 hours, subforeman, @ 50c.	4 00	
16 hours, edgestone setter, @ 62½c. . . .	10 00	
181½ hours, paver, @ 62½c. .	113 44	
128½ hours, helper, @ 35c. .	44 98	
433½ hours' labor @ 35c. .	151 73	
78⅝ hours, rammer, @ 35c.,	27 48	
Plus 15 per cent on $421.38 . . .	63 21	
54 hours, single team, @ 50c.	27 00	
936 cubic feet sand @ 5c. .	46 80	
4 bags cement @ 50c. .	2 00	
Extra work — Haul sidewalk bricks from Dorchester avenue:		
16 hours, auto truck, @ $4.37½	70 00	
Extra work — Cut guttermouths and cut flagging as directed:		
52 hours, stonecutter, @ 62½c.	32 50	
Plus 15 per cent on $32.50	4 88	
Extra work — Reset manholes over 6 inches and connect meter box:		
20 hours, foreman, @ 75c.	15 00	
4 hours, edgestone setter, @ 62½c. . . .	2 50	
10 hours, mason, @ 70c. .	7 00	
22 hours, helper, @ 35c. .	7 70	
198 hours' labor @ 35c. .	69 30	
10 hours, tender, @ 35c. .	3 50	
Plus 15 per cent on $105,	15 75	
8 hours, auto truck, @ $4.37½	35 00	
4 hours, double team, @ 75c.	3 00	
9 bags cement @ 50c. .	4 50	
11 cubic feet sand @ 5c. .	55	
4 tons crushed stone @ $1.75	7 00	
Extra work — Protect grouted pavement with cinders where directed:		
38 hours, foreman, @ 75c.,	28 50	
3 hours, subforeman, @ 50c.	1 50	
536 hours' labor @ 35c. .	187 60	
8 hours, timekeeper, @ 25c.	2 00	
Carried forward . . .	$130,210 78	$1,130 42

Brought forward . . .	$130,210 78	$1,130 42
Plus 15 per cent on $219.60 . . .	32 94	
36 hours, double team, @ 75c.	27 00	
20 hours, single team, @ 50c.	10 00	
33 hours, auto truck, @ $3.75	123 75	
22 double loads sand @ $2,	44 00	
31 double loads cinders @ $2.50	77 50	
Extra work — Widen entrance at Boston Elevated Yard and Meaney's Yard and construct new entrance opposite Union Park street:		
11 hours, edgestone setter, @ 62½c.	6 88	
15 hours, stonecutter, @ 62½c.	9 38	
59 hours' labor @ 35c. .	20 65	
Plus 15 per cent on $36.91	5 54	
3 hours, auto truck, @ $3.75	11 25	
Extra work — Repave surface of street disturbed by Fire Department, Water Service and Boston Elevated Railway Company:		
2 hours, foreman, @ 75c.,	1 50	
34 hours, paver, @ 62½c.,	21 25	
79 hours' labor @ 35c. .	27 65	
2 hours, edgestone setter, @ 62½c.	1 25	
Plus 15 per cent on $51.65	7 75	
12 hours, double team, @ 75c.	9 00	
7 bags cement @ 50c. .	3 50	
Extra work — Trim existing concrete base to grade:		
160 hours, foreman, @ 75c.,	120 00	
1,669 hours' labor @ 35c. .	584 15	
Plus 15 per cent on $704.15 . . .	105 62	
18 hours, double team, @ 75c.	13 50	
68 hours, single team, @ 50c.	34 00	
4 hours, auto truck, @ $4.37½	17 50	
Extra work — Reconstruct driveways from 601 to 609 Albany street:		
18 hours, foreman, @ 75c.,	13 50	
Carried forward . . .	$131,539 84	$1,130 42

Brought forward . . .	$131,539 84	$1,130 42	
19 hours, edgestone setter, @ 62½c. . . .	11 88		
39 hours, stonecutter, @ 62½c.	24 38		
122 hours' labor @ 35c. .	42 70		
48 hours, helper, @ 35c. .	16 80		
Plus 15 per cent on $109.28 . . .	16 39		
12 hours, auto truck, @ $4.37½	52 50		
	$131,704 49		
Less amount paid in 1916,	53,911 26		
Less amount retained .	$77,793 23		
Less amount paid in 1916,	38 46		
		77,754 77	
			$78,885 19

Albany street, from Kneeland street to Boston & Albany Railroad bridge. (Work not started.)

Engineering	$153 95	
Inspection	58 51	
Engineering expense	4 00	
Labor, handling stock	29 04	
Labor, making templets	17 50	
		$263 00

Appleton street, from Berkeley street to Columbus avenue. (Work done in 1916.)

Engineering	$79 10	
Engineering expense	80	
		$79 90

Artificial stone sidewalks.

Rebates allowed to contractors . . .	$9,020 18	
Repairs made	1,364 60	
New walks constructed	1,311 45	
		$11,696 23

Asphalt pavements repaired.

Engineering	$3,055 41	
Inspection	1,404 30	
Engineering expense	130 00	
Advertising	4 50	
Labor, chemist's wages	1,454 10	
Labor, employees	527 85	
Amount paid to Central Construction Company, under contract	73,230 25	
		$79,806 41

Atlantic avenue (easterly side), from Summer street to 370 feet north of Congress street. Length, 950 linear feet. Area, 2,300 square yards. Edgestone reset, gutters repaved and artificial stone sidewalks constructed. (Work unfinished.) This work is being done in connection with sewer construction under the supervision of the Paving Service.

Engineering		$21 09	
Amount paid to John Landis & Co., under contract:			
820 linear feet existing edgestone reset @ 28c.	$229 60		
55 square yards concrete base furnished and laid @ $3,	165 00		
100 square yards existing granite block paving relaid, pitch joints (unfinished), @ 65c.	65 00		
2,300 square feet artificial stone sidewalks furnished and laid @ 20c.	460 00		
	$919 60		
Less 15 per cent retained,	137 94		
		781 66	
			$802 75

Batterymarch street, from Franklin street to Broad street. Length, 287 linear feet. Area, 1,108 square yards. The contractor reset the edgestone, relaid the brick sidewalks, and furnished and laid a granite block pavement on a concrete base with grout joints. (Work done in 1916.)

Engineering		$10 60	
Amount paid to B. E. Grant, under contract, being final payment of amount retained from 1916		210 32	
			$220 92

Beach street, from Harrison avenue to Atlantic avenue. Length, 1,207 linear feet. Area, 3,390 square yards. Edgestone was reset, roadway paved with special cut granite blocks, grout joints, on 1-inch sand bed on 6-inch Portland cement concrete base. The existing brick sidewalks were replaced with artificial stone.

Engineering	$374 96	
Inspection	144 94	
Engineering expense	40 00	
Labor, handling stock	28 96	
Chemists' wages	45 00	
Edgestone	229 05	
Labor, street cleaning	6 44	
Photographs	5 50	
Asphalt repairs	42 12	
	$916 97	
Credit: Bricks	273 00	
	$643 97	
Amount paid to B. E. Grant, under contract:		
166 linear feet straight edgestone hauled and set @ 20c.	$33 20	
83 linear feet circular edgestone set @ 16c.	13 28	
1,428 linear feet existing edgestone set @ 12c.	171 36	
Carried forward	$217 84	$643 97

Brought forward . . .	$217 84	$643 97	
565 cubic yards concrete base furnished and laid @ $5.05	2,853 25		
209 square yards existing granite block paving relaid, gravel joints, @ 50c. .	104 50		
499 square yards existing granite block paving relaid, asphalt joints, @ $1 .	499 00		
3,225 square yards granite block paving furnished and laid, grout joints, @ $3.28	10,578 00		
36 square yards existing granite block paving relaid, grout joints, @ 85c. .	30 60		
10 square yards existing flagging crosswalks relaid, asphalt joints, @ 80c. .	8 00		
72 square yards existing brick sidewalks relaid @ 28c.,	20 16		
9,105 square feet artificial stone sidewalks furnished and laid @ 17c. . . .	1,547 85		
14 covers reset @ $3 . .	42 00		
Extra work — Cut concrete around elevated posts:			
96 hours, stonecutter, @ 62½c.	60 00		
20 hours' labor @ 35c. .	7 00		
Plus 15 per cent on $67 .	10 05		
4 hours, single team, @ 50c.,	2 00		
	$16,614 99		
Less amount retained .	38 46		
		16,576 53	
			$17,220 50

Beacon street, from Tremont street to Park street. Length, 846 linear feet. Area, 2,380 square yards. Edgestone was set where directed, the crosswalks at Tremont street were replaced with wood block; the roadway from Tremont street to Somerset street was paved with special cut granite block, pitch joints, on a concrete base; the remainder of the roadway was paved with special cut granite block on concrete base, grout joints. A widening was made at Somerset street.

Engineering	$409	23
Inspection	240	07
Engineering expense		75
Bricks	49	00
Advertising	1	14
Photographs	8	50
	$708	69
Credit: Blocks, old granite	342	00
Carried forward	$366	69

Brought forward		$366 69
Amount paid to B. E. Grant, under contract:		
295 linear feet existing edgestone reset @ 12c. .	$35 40	
407 cubic yards concrete base furnished and laid @ $6,	2,442 00	
5 square yards existing granite block paving relaid with gravel joints @ $1,	5 00	
843 square yards granite block paving furnished and laid with pitch joints @ $3.45	2,908 35	
1,562 square yards granite block paving furnished and laid with grout joints @ $3.60	5,623 20	
35 square yards wood block pavement furnished and laid with sand joints @ $3.60	126 00	
247 square yards existing brick sidewalks relaid @ 35c.,	86 45	
6 covers reset @ $3 . .	18 00	
Extra work — Pile blocks at Barton street:		
33 hours, foreman, @ 75c. .	24 75	
222 hours' labor @ 40c. .	88 80	
Plus 15 per cent on $113.55	17 03	
Extra work —Widen street at Somerset street:		
30 hours, foreman, @ 75c. .	22 50	
354 hours' labor @ 40c. .	141 60	
Plus 15 per cent on $164.10	24 62	
17 hours, auto truck, @ $4.37½	74 38	
Extra work — Relay brick pavement at Bowdoin street:		
24 hours, foreman, @ 75c. .	18 00	
172 hours' labor @ 40c. .	68 80	
16 hours, paver, @ 75c. .	12 00	
Plus 15 per cent on $98.80,	14 82	
4 hours, auto truck, @ $4.37½	17 50	
37 bags cement @ 65c. .	24 05	
13½ cubic feet stone @ 10c. .	1 35	
6 cubic feet sand @ 7c. .	42	
1,000 brick blocks @ $40 M. .	40 00	
Extra work — Remove material left on street by corporations and pave temporary roadway at Bowdoin street:		
5 hours, foreman, @ 75c. .	3 75	
79 hours' labor @ 40c. .	31 60	
2 hours, paver, @ 75c. .	1 50	
Carried forward . . .	$11,871 87	$366 69

Brought forward . . .	$11,871 87	$366 69	
2 hours, tender, @ 45c. .	90		
Plus 15 per cent on $37.75,	5 66		
5 hours, auto truck, @ $4.37½	21 88		
6 bags cement @ 65c. .	3 90		
8 hours, double team, @ 75c.	6 00		
5 loads to scow (auto) @ 80c.	4 00		
Extra work — Load and haul new paving blocks from Park street (caused by contractor being ordered to suspend work on street to allow corporations to install underground services):			
70 hours, foreman, @ 75c. .	52 50		
511 hours' labor @ 40c. .	204 40		
Plus 15 per cent on $259.60	38 54		
106 hours, auto truck, @ $4.37½c.	463 75		
Extra work — Relay old blocks on account of operations of New England Telephone and Telegraph Company:			
16 hours, foreman, @ 75c. .	12 00		
80 hours' labor @ 40c. .	32 00		
Plus 15 per cent on $44 .	6 60		
32 hours, auto truck, @ $4.37½c.	140 00		
Extra work — Pave as directed on Sunday, October 14, 1917:			
56 hours, paver, @ 75c. .	42 00		
48 hours' labor @ 40c. .	19 20		
Plus 15 per cent on $61.20,	9 18		
	$12,934 38		
Less amount retained .	100 00		
		12,834 38	
			$13,201 07

Beacon street, from Park street to Charles street. Length, 1,696 linear feet. Area, 7,340 square yards. Edgestone reset, 3-foot granite block gutters repaved with grout joints and roadway paved with Topeka pavement on existing macadam foundation. The existing brick sidewalks were relaid.

Engineering	$319 04
Inspection	365 92
Engineering expense	2 45
Advertising	1 14
Photographs	7 50
Bricks, 18,700 old	130 90
Edgestone	5 40
Carried forward	$832 35

Brought forward			$832 35
Amount paid to B. E. Grant, under contract:			
98,250 pounds crushed stone, furnished, placed, watered and rolled @ $2	$98 25		
8 linear feet straight edgestone hauled and set @ 25c.	2 00		
2,831 linear feet existing edgestone reset @ 12c.	339 72		
128 cubic yards concrete base furnished and laid @ $6	768 00		
40 square yards existing granite block paving relaid with gravel joints @ $1	40 00		
1,149 square yards existing granite blocks taken up, cleaned, hauled and piled and relaid, grout joints, @ $1	1,149 00		
13 square yards existing flagging crosswalks relaid with grout joints @ $1	13 00		
6,260 square yards Topeka wearing surface furnished and laid, on macadam foundation, @ $1.55	9,703 00		
2,919 square yards existing brick sidewalks relaid @ 35c.	1,021 65		
4 covers reset @ $3	12 00		
Extra work — Remove material left on street by corporations, cleaning street for parade and hauling sidewalk bricks:			
13 hours, foreman, @ 75c.	9 75		
128 hours' labor @ 40c.	51 20		
Plus 15 per cent on $60.95	9 14		
10 hours, auto truck, @ $4.37½	43 75		
Extra work — Relay brick sidewalks where directed with herringbone on edge:			
173 square yards brick sidewalks relaid with herringbone work @ $1.50	259 50		
	$13,519 96		
Less amount retained	100 00		
		13,419 96	
			$14,252 31

Beacon street, from Raleigh street to Boston & Albany Railroad. Length, 1,655 linear feet. Area, 11,661 square yards. Edgestone reset, gutters paved and asphalt wearing surface furnished and laid. (Unfinished.)

Engineering		$321 64	
Inspection		134 30	
Engineering expense		6 35	
Advertising		1 57	
Chemists' wages		15 36	
Amount paid to The Bermudez Company, under contract:			
46 linear feet existing edgestone reset @ 23c.	$10 58		
114 square yards existing granite blocks taken up, cleaned, culled and relaid (in brows and dummy of car tracks), including preparing site, concrete base, cement sand bed, plastering rails and covering sand, grout joints, @ $2.10	239 40		
243 square yards existing granite blocks taken up, cleaned, culled and relaid (in gutters and edgings), including preparing site, concrete base, cement sand bed, covering sand, grout joints, @ $2.10	510 30		
2,100 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.53	5,313 00		
2 covers reset @ $3	6 00		
Extra work — Suspend work on street on account of Auto Show and make street safe for traffic:			
19 hours, foreman, @ 75c.	14 25		
138 hours' labor @ 35c.	48 30		
Plus 15 per cent on $62.55,	9 38		
8 hours, single team, @ 50c.,	4 00		
	$6,155 21		
Less 5 per cent retained	307 76		
		5,847 45	
			$6,326 67

Blossom street, from Parkman street to Allen street. Length, 511 linear feet. Area, 1,562 square yards. The edgestone was reset and the roadway was paved with asphalt pavement on a concrete base, with brick block gutters, and artificial stone sidewalks constructed.

Engineering	$69 34	
Inspection	84 49	
Engineering expense	1 05	
Carried forward	$154 88	

Brought forward		$154 88	
Chemists' wages		4 00	
Labor and lumber on templets		8 45	
Edgestone		13 75	
		$181 08	
Credit: Bricks		141 00	
		$40 08	
Amount paid to Warren Brothers Company, under contract:			
11 linear feet circular edgestone set @ 17c.	$1 87		
717 linear feet existing edgestone reset @ 15c.	107 55		
1,272 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.09	2,658 48		
26 square yards bituminous concrete binder and asphalt wearing surface furnished and laid on macadam foundation @ $1.21	31 46		
264 square yards concrete base and brick block pavement furnished and laid @ $2.83	747 12		
6,737 square feet artificial stone sidewalks furnished and laid @ 16c.	1,077 92		
2 covers reset @ $3	6 00		
Extra work — Haul edgestone from North Anderson street and cut the same to fit manhole:			
2 hours, stonecutter, @ 62½c.,	1 25		
8 hours' labor @ 40c.	3 20		
Plus 15 per cent on $4.45	67		
4 hours, double team, @ 75c.	3 00		
	$4,638 52		
Less 5 per cent retained	231 93		
		4,406 59	
			$4,446 67

Bowdoin street, from Topliff street to 78 feet west of Mt. Ida road. (Work not started.)

Engineering	$96 00	
Engineering expense	60	
Advertising	1 56	
		$98 16

Boylston street, from Washington street to Tremont street. Length, 531 linear feet. Area, 2,343 square yards. The roadway was paved with wood block on a 6-inch concrete base.

Engineering	$221 64	
Inspection	146 14	
Carried forward	$367 78	

Brought forward		$367 78	
Engineering expense		3 35	
Labor, handling stock		9 00	
		$380 13	
Amount paid Warren Brothers Company, under contract:			
8 linear feet existing edgestone reset @ 15c.	$1 20		
64 square yards existing granite block paving relaid, gravel joints, @ 53c.	33 92		
14 square yards existing flagging crosswalks relaid, gravel joints, @ 50c.	7 00		
6 covers reset @ $3	18 00		
1,747 square yards wood block pavement furnished and laid @ $3.42	5,974 74		
Extra work — Furnish and place lath joints where directed:			
18 hours' labor @ 40c.	7 20		
Plus 15 per cent on $7.20	1 08		
19 bundles laths @ 60c.	11 40		
	$6,054 54		
Less 5 per cent retained	302 73		
		5,751 81	
		$6,131 94	
Credit: Blocks		600 00	
			$5,531 94

Brighton avenue, from Commonwealth avenue to Cambridge street. Length, 3,162 linear feet. Area, 4,557 square yards. Edgestone reset, gutters paved and asphalt wearing surface furnished and laid.

Engineering		$648 19	
Inspection		358 36	
Engineering expense		17 25	
Advertising		1 56	
Chemists' wages		30 80	
Edgestone		29 70	
Amount paid to The Bermudez Company, under contract:			
130 tons crushed stone furnished, placed, watered and rolled @ $2.50	$325 00		
3,398 linear feet existing edgestone reset @ 23c.	781 54		
4,557 square yards existing granite blocks taken up, cleaned, culled and relaid, gravel bed, covering sand and grout joints @ $1.10	5,012 70		
Carried forward	$6,119 24	$1,035 86	

Brought forward	$6,119 24	$1,085 86	
16,412 square yards bituminous concrete binder and asphalt wearing surface furnished and laid on macadam foundation @ $1.43 . . .	23,469 16		
8 covers reset @ $3 . .	24 00		
Extra work — Bar out and repave gutters and set covers for new driveways:			
8 hours, edgestone setter, @ 75c.	6 00		
16 hours' labor @ 35c. . .	5 60		
Plus 15 per cent on $11.60	1 74		
Extra work — Raise Bradley head catch-basins to grade:			
4 hours, mason, @ 75c. .	3 00		
8 hours' labor @ 35c. . .	2 80		
Plus 15 per cent on $5.80,	87		
2 bags cement @ 60c. .	1 20		
75 bricks @ 2c.	1 50		
	$29,635 11		
Less 5 per cent retained,	1,481 76		
		28,153 35	
			$29,239 21

Canal street, from Haymarket square to Causeway street. Length, 990 linear feet. Area, 4,438 square yards. Edgestone was reset, roadway was paved with special cut granite blocks with grout joints on 1-inch bed on Portland cement concrete base. Where existing concrete base was found it was built up to grade with new concrete. Artificial stone sidewalks were laid on the east side from Causeway street to opposite Traverse street and were relaid at Market street.

Engineering		$382 36
Inspection		287 74
Engineering expense		27 98
Labor, making templets		12 00
Labor, handling stock		199 89
Teaming		245 25
Labor on roadway		217 50
Chemists' wages		135 00
Photographs		5 50
Gravel		170 25
Edgestone		14 64
Amount paid to B. E. Grant, under contract:		
21 linear feet straight edgestone hauled and set @ 20c.	$4 20	
703 linear feet existing edgestone reset @ 12c. .	84 36	
876 cubic yards concrete base furnished and laid @ $5.05	4,423 80	
Carried forward . . .	$4,512 36	$1,698 11

Brought forward . . .	$4,512 36	$1,698 11
40 square yards existing granite block paving relaid, gravel joints, @ 50c. .	20 00	
7 square yards existing granite block paving relaid, grout joints, @ 85c. .	5 95	
5,687 square feet artificial stone sidewalks furnished and laid @ 17c. . . .	966 79	
3 covers reset @ $3 . .	9 00	
Extra work — Omit the relaying of granite block paving and substitute the furnishing and laying of new granite block:		
4,438 square yards granite block paving furnished and laid, grout joints, at $3.28	14,556 64	
Extra work — Haul old paving blocks as directed to Medford Street Yard, Charlestown, and pile:		
37 hours, foreman, @ 75c. .	27 75	
703 hours' labor @ 35c. . .	246 05	
Plus 15 per cent on $273.80,	41 07	
442 square yards old blocks hauled to Medford Street Yard @ 45c. .	198 90	
Extra work — Cut concrete around elevated posts and cut sheet piling in sewer trench:		
10 hours, stonecutter, @ 62½c.	6 25	
16 hours' labor at 35c. . .	5 60	
Plus 15 per cent on $11.85,	1 78	
Extra work — Furnish watchman to keep traffic off grouted pavement:		
270 hours, watchman, @ 35c.,	94 50	
Plus 15 per cent on $94.50,	14 18	
Extra work — Bar out and remove temporary pavement, laid by city forces:		
521 square yards temporary pavement removed @ 50c.	260 50	
Extra work — Remove temporary roadway, sewer trench and refill as directed:		
58 hours, foreman, @ 75c. .	43 50	
867 hours' labor @ 35c. . .	303 45	
Plus 15 per cent on $346.95	52 04	
117 hours, auto truck, @ $4.37½	511 88	
Carried forward . . .	$21,878 19	$1,698 11

Brought forward	$21,878 19	$1,698 11	
11 hours, double team, @ 75c.,	8 25		
67 loads material dumped in scow (auto) @ 80c.	53 60		
	$21,940 04		
Less amount retained	470 71		
		21,469 33	
		$23,167 44	
Credit: Blocks	$116 00		
Flagging	59 15		
		175 15	
			$22,992 29

Chandler street, from Berkeley street to Columbus avenue. (Work done in 1916.)

Engineering	$105 49	
Engineering expense	2 10	
		$107 59

Columbia road, from Edward Everett square to Dudley street. Length, 1,460 linear feet. Area, 4,867 square yards. The contractor reset part of the edgestone and relaid the brick sidewalks. The roadway as constructed is of granite block pavement with grout joints on a concrete base.

Engineering	$178 86	
Engineering expense	1 35	
Photographs	3 00	
Amount paid to B. E. Grant, under contract:		
66 cubic yards water box excavation @ $1	$66 00	
176 linear feet straight edgestone and corners hauled and set @ 20c.	35 20	
517 linear feet existing edgestone reset @ 12c.	62 04	
781 cubic yards concrete base furnished and laid @ $5.05	3,944 05	
22 square yards existing granite block paving relaid, gravel joints, @ 50c.	11 00	
4,445 square yards granite block paving furnished and laid, grout joints, @ $3.30	14,668 50	
372 square yards existing granite block paving relaid, grout joints, @ 85c.,	316 20	
26 square yards existing flagging crosswalks relaid, gravel joints, @ 50c.	13 00	
2 square yards flagging crosswalks hauled and laid, grout joints, @ 85c,	1 70	
Carried forward	$19,117 69	$183 21

Brought forward . . .	$19,117 69	$183 21	
1,361 square yards existing brick sidewalks relaid @ 28c.	381 08		
10 covers reset, @ $3 . .	30 00		
Extra work — Remove existing Telford base and furnish and lay 4-inch concrete base:			
43½ days, foreman, @ $6 .	259 50		
5,077½ hours' labor @ 35c. .	1,777 13		
36 days, timekeeper, @ 35c.,	72 00		
3 days, watchman, @ $2 .	6 00		
Plus 15 per cent on $2,114.63 . . .	317 19		
1,125 hours, double team, @ 75c.	843 75		
7 days, steam roller, @ $15	105 00		
10½ hours, auto truck, @ $4.37½	45 94		
Extra work — Pave crossover in reservation:			
31½ hours, foreman, @ 75c.,	23 63		
237 hours' labor @ 35c. .	82 95		
22 hours, paver, @ 62½c. .	13 75		
4 hours, rammer, @ 35c. .	1 40		
4 hours, tender, @ 35c. .	1 40		
2½ days, timekeeper, @ $2 .	4 67		
Plus 15 per cent on $127.80	19 17		
1 double load sand @ $2 .	2 00		
18 bags cement @ 50c. .	9 00		
140 paving blocks @ 8c. .	11 20		
	$23,124 45		
Less amount paid in 1916,	18,517 53		
	$4,606 92		
Less amount retained .	38 46		
		4,568 46	
			$4,751 67

Dearborn street, from Albany street to Dudley street. Length, 495 linear feet. Area, 1,100 square yards. The roadway was paved with asphalt on a concrete base with brick block gutters and artificial stone sidewalks were constructed.

Engineering		$95 81
Inspection		22 02
Engineering expense		23 47
Edgestone		4 32
		$145 62
Amount paid Warren Brothers Company, under contract:		
8 linear feet straight edgestone hauled and set @ 20c.	$1 60	
786 linear feet existing edgestone reset @ 15c. .	117 90	
Carried forward . . .	$119 50	$145 62

Brought forward	$119 50	$145 62	
53 square yards existing granite block paving relaid, gravel joints, @ 53c.	28 09		
104 square yards existing granite block paving relaid, including concrete base, grout joints, @ $2	208 00		
4 square yards existing flagging crosswalks relaid, gravel joints, @ 50c. .	2 00		
10 square yards existing flagging crosswalks relaid, including concrete base, grout joints, @ $1.80 .	18 00		
1,352 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.09,	2,825 68		
248 square yards concrete base and brick block pavement furnished and laid @ $2.83	701 84		
10 square yards existing brick sidewalks relaid @ 30c.	3 00		
5,707 square feet artificial stone sidewalks furnished and laid @ 16c. . .	913 12		
	$4,819 23		
Less 5 per cent retained,	240 96		
	$4,578 27		
Less amount paid in 1916,	2,871 33		
		1,706 94	
		$1,852 56	
Credit: Bricks	$64 40		
Blocks	150 00		
		214 40	
			$1,638 16

Devonshire street, from Adams square to Water street. Length, 696 linear feet. Area, 2,032 square yards. The contractor did the excavating, reset the edgestone, relaid the brick sidewalks, and furnished and laid a wood block pavement on a concrete base.

Engineering		$21 04	
Engineering expense		30	
Amount paid to B. E. Grant, under contract:			
192 linear feet existing edgestone reset @ 12c. . .	$23 04		
314.5 cubic yards concrete base furnished and laid @ $5	1,588 23		
Carried forward . . .	$1,611 27	$21 34	

Brought forward . . .	$1,611 27	$21 34	
57 square yards existing granite block paving relaid, gravel joints, @ 50c.	28 50		
119 square yards granite block paving furnished and laid, asphalt joints @ $3.40	404 60		
10 square yards existing flagging crosswalks relaid, gravel joints, @ 50c. .	5 00		
129 square yards existing brick sidewalks relaid @ 28c.,	36 12		
2 covers reset @ $3 . .	6 00		
Extra work — Omit granite block pavement and substitute wood block pavement:			
1,940 square yards wood block pavement furnished and laid @ $3.28 . . .	6,363 20		
Extra work — Remove old bed and clean existing concrete:			
30½ hours, foreman, @ 75c. .	22 88		
481 hours' labor @ 35c. . .	168 35		
Plus 15 per cent on $191.23	28 68		
6 hours, single team, @ 43¾c.	2 63		
13 hours, double team, @ 75c.	9 75		
27 hours, auto truck, @ $3.75	101 25		
19 loads material dumped to scow (team) @ 45c. .	8 55		
31 loads material dumped to scow (auto) @ 80c. .	24 80		
	$8,821 58		
Amount paid in 1916 .	7,975 79		
		845 79	
			$867 13

Dorchester avenue, from Savin Hill avenue to Freeport street. Length, 1,940 linear feet. Area, 7,400 square yards. Edgestone reset, existing granite blocks recut and granite block paving relaid.

Engineering	$304 78
Inspection	343 69
Engineering expense	8 90
Labor, making templets	4 00
Photographs	8 00
Gravel	1 10
Flagging	10 80
Blocks	1,046 54
Edgestone	16 39
Teaming	12 50
Carried forward	$1,756 70

Brought forward		$1,756 70
Amount paid to B. E. Grant, under contract:		
14 linear feet straight edgestone hauled and set @ 20c. .	$2 80	
3,028 linear feet existing edgestone reset @ 12c.	363 36	
1,143 cubic yards concrete base furnished and laid @ $5.05 . .	5,772 15	
846 square yards existing granite block paving relaid, grout joints, @ 85c. . . .	719 10	
705 square yards existing brick sidewalks relaid @ 28c. . .	197 40	
3 covers reset @ $3 .	9 00	
Extra work — Omit relaying of existing granite block paving where directed and substitute the laying of recut granite block:		
5,931 square yards recut granite blocks laid, grout joints, @ $1.21	7,176 51	
Extra work — Haul old blocks as directed to Massachusetts avenue lot and haul recut and shallow blocks from Albany street and Hancock street:		
36 hours, foreman, @ 75c.	27 00	
700 hours' labor @ 35c. .	245 00	
Plus 15 per cent on $272 . . .	40 80	
41 hours, double team, @ 75c.	30 75	
142 hours, auto truck, @ $3.75	532 50	
Extra work — Haul, trim and set edgestone to close driveways:		
11 hours, foreman, @ 75c.	8 25	
146 hours' labor @ 35c. .	51 10	
2 hours, stonecutter, @ 62½c. . . .	1 25	
17 hours, edgestone setter, @ 62½c. . .	10 63	
57 hours, helper, @ 35c.,	19 95	
Plus 15 per cent on $91.18 . . .	13 68	
Carried forward . . .	$15,221 23	$1,756 70

Brought forward	$15,221 23	$1,756 70	
8 hours, auto truck, @ $4.37½	35 00		
3 hours, double team, @ 75c.	2 25		
Extra work — Remove old blocks unsuitable for recutting:			
27½ hours, foreman, @ 75c.	20 63		
187 hours' labor @ 35c. .	65 45		
Plus 15 per cent on $86.08 . . .	12 91		
53 hours, auto truck, @ $4.37½	231 88		
Extra work — Protect new grouted pavement at driveways:			
10 hours, foreman, @ 75c.	7 50		
146 hours' labor @ 35c. .	51 10		
Plus 15 per cent on $58.60 . . .	8 79		
6 hours, double team, @ 75c.	4 50		
Extra work — Haul recut blocks from Massachusetts avenue lot:			
132 hours, double team, @ 75c.	99 00		
Extra work — Bridge sewer trench with N. R. flag:			
2 hours, foreman, @ 75c.	1 50		
20 hours' labor @ 35c. .	7 00		
Plus 15 per cent on $8.50 . . .	1 28		
Extra work — Recut existing granite blocks:			
207,240 existing granite blocks recut @ $13 . .	2,694 12		
	$18,464 14		
Amount retained .	38 47		
		18,425 67	
			$20,182 37

Dorchester avenue, from Peabody square to Washington street. Length, 3,244 linear feet. Area, 5,000 square yards. Edgestone reset, granite block paving relaid and artificial stone sidewalks laid. (Work unfinished.)

Engineering	$787 64
Inspection	626 55
Engineering expense	19 35
Advertising	5 20
Carried forward	$1,438 74

Brought forward		$1,438 74	
Labor, handling stock		3 00	
Labor, making templets		10 00	
Blocks, 233,710 old granite		4,674 20	
Lumber		4 74	
Edgestone		122 33	
Teaming		4 00	
Photographs		6 00	
		$6,263 01	
Credit: Bricks		21 00	
		$6,242 01	
Amount paid to James Doherty, under contract:			
2,700 linear feet existing edgestone reset @ 17c.	$459 00		
1,100 linear feet crushed stone and concrete foundation furnished and placed @ 19c.	209 00		
4,500 square yards granite block paving hauled and laid, grout joints, @ $1.39	6,255 00		
570 square yards wood block pavement furnished and laid, including concrete base, @ $4.47	2,547 90		
19,000 square feet artificial stone sidewalks furnished and laid @ 21c.	3,990 00		
	$13,460 90		
Less 15 per cent retained	2,019 14		
		11,441 76	
			$17,683 77

Dorchester avenue, from Freeport street to Park street. Length, 3,244 linear feet. Area, 4,000 square yards. Granite blocks recut and roadway paved with same. (Work unfinished.)

Engineering		$274 85	
Inspection		365 31	
Engineering expense		3 80	
Advertising		5 20	
Labor, handling stock		13 75	
Photographs		9 00	
Teaming		8 00	
Bricks		66 50	
Blocks		426 00	
		$1,172 41	
Credit:			
Edgestone	$23 73		
Flagging	10 80		
		34 53	
Carried forward		$1,137 88	

Brought forward		$1,137 88
Amount paid to B. E. Grant, under contract:		
691 square yards existing granite block paving relaid, gravel joints, @ $1,	$691 00	
678 square yards granite block paving (recut at Massachusetts avenue lot), hauled and laid, concrete base, cement sand bed, plastering rails, grout joints, @ $2.75 .	1,864 50	
3,274 square yards granite block paving recut on the street and relaid, including concrete base, grout joints, @ $2.50 .	8,185 00	
Extra work — Remove material left in street by Boston Elevated Railway:		
50 hours, foreman, @ 75c. .	37 50	
786 hours' labor @ 40c. . .	314 40	
Plus 15 per cent on $351.90 . . .	52 79	
64 hours, auto truck, @ $4.37½	280 00	
Extra work — Make temporary driveways at street intersections and remove same:		
29 hours, foreman, @ 75c. .	21 75	
394 hours' labor @ 40c. . .	157 60	
Plus 15 per cent on $179.35 . . .	26 90	
5 hours, auto truck, @ $4.37½	21 88	
5 hours, single team, @ 50c.,	2 50	
Extra work — Excavate and concrete around water gate. Excavate, lay drain pipe and concrete from Boston Elevated Railway inlet to catch-basin:		
4 hours, foreman, @ 75c. .	3 00	
119 hours' labor @ 40c. . .	47 60	
3 hours, stonecutter, @ 62½c.	1 88	
Plus 15 per cent on $52.48 . . .	7 87	
1,000 feet 8-inch drain pipe @ 35c.	3 50	
6 bags cement @ 60c. . .	3 60	
16 cubic feet sand @ 7c. .	1 12	
27 cubic feet stone @ 10c. .	2 70	
	$11,727 09	
Less amount retained .	500 00	
		11,227 09
		$12,364 97

Dorchester avenue, from Old Colony avenue to Humboldt place. Repaved with old granite blocks on a concrete base with grout joints under an agreement with the Boston Transit Commission.

Proportion of expense of paving roadway under agreement with Boston Transit Commission	$19,221 59

Fruit street, from Blossom street to Charles street. Length, 954 linear feet. Area, 1,987 square yards. The edgestone was reset, roadway was paved with asphalt on a concrete base with brick gutters and artificial stone sidewalks.

Engineering		$197 10
Inspection		205 56
Engineering expense		1 70
Edgestone		108 85
Chemist, wages		4 67
		$517 88
Credit: Bricks		194 95
		$322 93
Amount paid to Warren Brothers Company, under contract:		
71 linear feet straight edgestone hauled and set @ 20c.	$14 20	
43 linear feet circular edgestone set @ 17c. . .	7 31	
1,678 linear feet existing edgestone reset @ 15c. .	251 70	
3 square yards existing granite block paving relaid, gravel joints, @ 53c. .	1 59	
1,474 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.09,	3,088 66	
6 square yards bituminous concrete binder and asphalt wearing surface furnished and laid on macadam foundation @ $1.21	7 26	
507 square yards concrete base and brick block pavement furnished and laid @ $2.83	1,434 81	
3 existing brick sidewalks relaid @ 30c.	90	
8,346 square feet artificial stone sidewalks furnished and laid @ 16c.	1,335 36	
163 square feet artificial stone driveways furnished and laid @ 17c.	27 71	
6 covers reset @ $3 . .	18 00	
Carried forward . . .	$6,179 50	$322 93

Brought forward . . .	$6,179 50	$322 93	
Extra work — Break out concrete around water boxes and reset same:			
18 hours' labor @ 40c. . .	7 20		
Plus 15 per cent on $7.20,	1 08		
	$6,195 78		
Less 5 per cent retained .	309 79		
		5,885 99	
			$6,208 92

Harrison avenue, from Kneeland street to Dover street. Length, 2,633 linear feet. Area, 17,550 square yards. Edgestone reset, roadway paved with granite blocks on a concrete base. (Work unfinished.)

Engineering		$296 86	
Inspection		115 04	
Engineering expense		8 90	
Labor, handling stock		10 88	
Amount paid to B. E. Grant, under contract:			
10 linear feet circular edgestone set @ 16c. . .	$1 60		
279 linear feet existing edgestone reset @ 12c. .	33 48		
400 cubic yards concrete base furnished and laid @ $5.05	2,020 00		
2,308 square yards granite block paving furnished and laid, grout joints, @ $3.28	7,570 24		
11 square yards existing flagging crosswalks relaid, gravel joints @ 50c. .	5 50		
62 square yards existing brick sidewalks relaid @ 28c.,	17 36		
1 cover reset @ $3 . .	3 00		
Extra work — Cut and remove asphalt and concrete at Florence street:			
3 hours, foreman, @ 75c. .	2 25		
15 hours' labor @ 35c. . .	5 25		
Plus 15 per cent on $7.50,	1 13		
Extra work — Remove material left in street by Water Department:			
5 hours, foreman, @ 75c. .	3 75		
65 hours' labor @ 35c. . .	22 75		
Plus 15 per cent on $26.50,	3 98		
4 hours, auto truck, @ $4.37½	17 50		
Extra work — Raise Bradley head catch-basins over six inches:			
26 hours, mason, @ 75c. .	19 50		
44 hours' labor @ 35c. . .	15 40		
Plus 15 per cent on $34.90,	5 24		
	$9,747 93		
Less amount retained .	38 47		
		9,709 46	
		$10,141 14	
Credit: Blocks		949 00	
			$9,192 14

Harvard street, from Prescott street to south side of Harvard square. (Work not started.)

Engineering	$57 00	
Engineering expense	76	
Advertising	1 57	
		$59 33

Haymarket square. Length, 525 linear feet. Area, 6,850 square yards. Edgestone was reset, roadway paved with special cut granite blocks, grout joints, on 1-inch sand bed on 6-inch Portland cement concrete base. The existing brick sidewalks were relaid. Washington Street North was repaved, Thacher street on the east side to Beverly street on the west side, with existing granite blocks, pitch joints.

Engineering			$686 64
Engineering expense			3 65
Inspection			319 52
Bricks			219 97
Photographs			9 00
Amount paid to B. E. Grant, under contract:			
1,086 linear feet existing edgestone reset @ 12c.	$130 32		
1,142 cubic yards concrete base furnished and laid @ $5.05	5,767 10		
623 square yards existing granite block paving relaid, gravel joints, @ 50c.	311 50		
747 square yards existing granite block paving relaid, asphalt joints, @ $1	747 00		
6,817 square yards granite block pavement furnished and laid, grout joints, @ $3.28	22,359 76		
62 square yards existing granite block pavement relaid, grout joints, @ 85c.	52 70		
19 square yards existing flagging crosswalks relaid, grout joints, @ 80c.	15 20		
30 square yards existing flagging crosswalks relaid, asphalt joints, @ 80c.	24 00		
1,109 square yards existing brick sidewalks relaid @ 28c.,	310 52		
13 covers reset @ $3	39 00		
Extra work — Pile blocks at Barton and Willard street lots:			
99 hours, foreman, @ 75c.	74 25		
728 hours' labor @ 35c.	254 80		
Plus 15 per cent on $329.05	49 36		
Extra work — Trim concrete on subway roof and around elevated posts:			
9 hours, foreman, @ 75c.	6 75		
8 hours, stonecutter, @ 62½c.	5 00		
Carried forward	$30,147 26	$1,238 78	

Brought forward . . .	$30,147 26	$1,238 78	
92 hours' labor @ 35c. .	32 20		
Plus 15 per cent on $43.95	6 59		
3 hours, auto truck, @ $4.37½	13 13		
3 loads material dumped in scow (auto) @ 80c. .	2 40		
Extra work — Remove brows and repave same to keep square open to traffic:			
35 hours, foreman, @ 75c. .	26 25		
91 hours, paver, @ 62½c. .	56 88		
64 hours, rammer, @ 35c. .	22 40		
48 hours, tender, @ 35c. .	16 80		
435 hours' labor @ 35c. . .	152 25		
Plus 15 per cent on $274.58	41 19		
17 hours, auto truck, @ $4.37½	74 38		
4 loads material dumped in scow (auto) @ 80c. .	3 20		
Extra work — Haul sidewalk brick from Albany street yard:			
9 hours, foreman, @ 75c. .	6 75		
63 hours' labor @ 35c. .	22 05		
Plus 15 per cent on $28.80	4 32		
27 hours, auto truck, @ $4.37½	118 13		
	$30,746 18		
Less amount retained .	38 46		
		30,707 72	
			$31,946 50

Lincoln street, from Essex street to Beach street. Length, 497 linear feet. Area, 2,400 square yards. Edgestone was reset, roadway paved with special cut granite blocks, grout joints, on a 6-inch Portland cement concrete base. The existing brick sidewalks were replaced by artificial stone and the existing artificial stone sidewalks on the east side, between Essex and Tufts streets, were relaid.

Engineering		$198 55
Inspection		95 61
Engineering expense		12 95
Labor, handling stock		26 26
Labor, making templets		9 00
Teaming		1 25
Edgestone		31 50
Chemists' wages		45 00
Lumber		6 67
Photographs		16 80
		$443 59
Amount paid to B. E. Grant, under contract:		
26 linear feet circular edgestone set @ 16c. . .	$4 16	
790 linear feet existing edgestone reset @ 12c. .	94 80	
Carried forward . . .	$98 96	$443 59

Brought forward . . .	$98 96	$443 59	
419 cubic yards concrete base furnished and laid @ $5.05	2,115 95		
65 square yards existing granite block paving relaid, gravel joints, @ 50c. .	32 50		
2,438 square yards granite block paving furnished and laid, grout joints, @ $3.28	7,996 64		
45 square yards existing brick sidewalks relaid @ 28c.,	12 60		
7 covers reset @ $3 . .	21 00		
Extra work — Omit relaying of brick sidewalks and substitute artificial stone sidewalks:			
5,449 square feet artificial stone sidewalks furnished and laid @ 25c. . . .	1,362 25		
Extra work — Break out concrete, regulate edgestone and sidewalks at Tufts street and remove temporary approach at Beach street:			
9 hours, foreman, @ 75c. .	6 75		
16 hours, stonecutter, @ 62½c.,	10 00		
227 hours' labor @ 35c. .	79 45		
Plus 15 per cent on $96.20	14 43		
12 hours, single team, @ 50c.,	6 00		
20 hours, auto truck, @ $4.37½	87 50		
7 cubic feet sand @ 5c. .	35		
5 loads material dumped in scow (auto) @ 80c. .	4 00		
	$11,848 38		
Less amount retained .	38 46		
		11,809 92	
		$12,253 51	
Credit: Blocks	$1,260 00		
Bricks	42 00		
		1,302 00	
			$10,951 51

McKinley square, at Custom House. Length, 360 linear feet. Area, 5,822 square yards. Edgestone was reset, roadway paved with special cut granite blocks, grout joints, on 1-inch sand bed on 6-inch Portland cement concrete base. The existing brick sidewalks were relaid and the artificial stone sidewalks were patched in front of the Board of Trade Building and on State street.

Engineering	$368 32
Inspection	228 42
Engineering expense	17 18
Labor, handling stock	34 54
Labor, making templets	6 00
Chemists' wages	45 00
Carried forward	$699 46

Brought forward		$699 46
Photographs		11 20
Edgestone		109 79
Bricks		52 50
Teaming		2 50
Amount paid to B. E. Grant, under contract:		
136 linear feet straight edgestone hauled and set @ 20c.	$27 20	
10 linear feet circular edgestone set @ 16c.	1 60	
415 linear feet existing edgestone reset @ 12c.	49 80	
834 cubic yards concrete base furnished and laid @ $5.05	4,211 70	
914 square yards existing granite block paving relaid, gravel joints, @ 50c.	457 00	
5,035 square yards granite block paving furnished and laid, grout joints, @ $3.28	16,514 80	
888 square yards existing granite block paving relaid, grout joints, @ 85c.	754 80	
8 square yards existing flagging crosswalks relaid, gravel joints, @ 50c.	4 00	
34 square yards existing flagging crosswalks relaid, grout joints, @ 80c.	27 20	
354 square yards existing brick sidewalks relaid @ 28c.,	99 12	
300 square feet artificial stone sidewalks furnished and laid @ 17c.	51 00	
11 covers reset @ $3	33 00	
Extra work — Break out existing artificial stone sidewalks beyond prescribed limits and furnish and lay new artificial stone walks:		
1,075 square feet artificial stone sidewalks furnished and laid @ 25c.	268 75	
Extra work — Cut out concrete from edgestone at Custom House and remove pitch from blocks and break out concrete at Central street:		
8 hours, stonecutter, @62½c.,	5 00	
133 hours' labor @ 35c.	46 55	
Plus 15 per cent on $51.55,	7 73	
Carried forward	$22,559 25	$875 45

Brought forward . . .	$22,559 25	$875 45	
Extra work — Reset special cut edgestone at Board of Trade Building:			
12 hours, edgestone setter, @ 62½c.	7 50		
28 hours, helper, @ 35c. .	9 80		
48 hours' labor @ 35c. . .	16 80		
Plus 15 per cent on $34.10,	5 12		
Extra work — Reset manholes over 6 inches:			
19 hours, mason, @ 79c. .	13 30		
24 hours, helper, @ 35c. .	8 40		
Plus 15 per cent on $21.70,	3 26		
2 bags cement @ 50c. . .	1 00		
275 bricks @ $12 M. . .	3 30		
	$22,627 73		
Less amount retained .	38 46		
		22,589 27	
			$23,464 72

Maverick square, from Sumner street to Maverick street. Length, 147 linear feet. Area, 3,300 square yards. Edgestone reset, gutters repaved and asphalt wearing surface furnished and laid on a concrete base. (Work unfinished.)

Engineering		$241 89	
Inspection		128 26	
Engineering expense		3 35	
Advertising		1 57	
Edgestones		75 44	
		$450 51	
Credit: Blocks		148 00	
		$302 51	
Amount paid to The Bermudez Company, under contract:			
35 linear feet circular edgestone set @ 25c. . .	$8 75		
884 linear feet existing edgestone reset @ 23c. .	203 32		
4 square yards existing granite block paving relaid, gravel joints, @ $1	4 00		
136 square yards existing granite blocks taken up, cleaned, culled and relaid (in brows and dummy of car tracks), including preparing site, concrete base, cement sand bed, plastering rails and covering sand, grout joints, @ $2.10 .	285 60		
Carried forward . . .	$501 67	$302 51	

Brought forward	$501 67	$302 51	
257 square yards existing granite blocks taken up, cleaned, culled and relaid (in gutters and edgings), including preparing site, concrete base, cement sand bed, and covering sand, grout joints, @ $2.10 . .	539 70		
3,062 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.53 . .	7,746 86		
2 covers reset @ $3 . .	6 00		
Extra work — Reset park edgestone around tunnel entrance:			
16 hours, edgestone setter, @ 75c.	12 00		
55 hours' labor @ 35c. . .	19 25		
Plus 15 per cent on $31.25,	4 69		
	$8,830 17		
Less 5 per cent retained .	441 51		
		8,388 66	
			$8,691 17

Neponset avenue, from Ashmont street to Chickatawbut street. Length, 1,708 linear feet. Area, 1,000 square yards. Edgestone reset, granite block roadway paved with old granite block. (Work unfinished.)

Engineering		$124 98	
Inspection		209 49	
Engineering expense		75	
Advertising		5 40	
Blocks, 46,600 second-hand		932 00	
Labor, handling stock		6 00	
Amount paid to John F. Lynch, under contract:			
1,000 square yards granite block paving hauled and laid, grout joints, @ $1.08 .	$1,080 00		
1,000 square yards existing granite block paving taken up, cleaned and relaid, grout joints, @ 98c. .	980 00		
	$2,060 00		
Less 15 percent retained .	309 00		
		1,751 00	
			$3,029 62

North Anderson street, from Parkman street to Fruit street. Length, 105 linear feet. Area, 214 square yards. The existing edgestone was reset and the roadway paved with asphalt on a concrete base and artificial stone sidewalks were constructed. (Unfinished work from 1916.)

Engineering		$15 14	
Amount paid Warren Brothers Company, under contract:			
22 linear feet circular edgestone set @ 17c	$3 74		
12 linear feet existing edgestone reset @ 15c.	1 80		
3 square yards existing granite block paving relaid, gravel joints, @ 53c	1 59		
171 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.09,	357 39		
43 square yards concrete base and brick block pavement furnished and laid @ $2.83	121 69		
1,052 square feet artificial stone sidewalks furnished and laid @ 16c.	168 32		
	$654 53		
Less 5 per cent retained	32 73		
	$621 80		
Less amount paid in 1916,	461 90		
		159 90	
		$175 04	
Credit: Bricks		45 50	
			$129 54

North Grove street, from Cambridge street to Fruit street. Length, 456 linear feet. Area, 1,538 square yards. The edgestone was reset, roadway paved with asphalt on a concrete base with brick block gutters and artificial stone sidewalks were constructed.

Engineering		$141 55	
Inspection		104 02	
Engineering expense		1 10	
Chemists' wages		16 93	
Edgestone		141 41	
Amount paid Warren Brothers Company, under contract:			
110 linear feet straight edgestone hauled and set @ 20c.	$22 00		
47 linear feet circular edgestone set @ 17c.	7 99		
606 linear feet existing edgestone reset @ 15c.	90 90		
27 square yards existing granite block paving relaid, gravel joints, @ 53c.	14 31		
34 square yards existing granite block paving relaid, including concrete base, grout joints, @ $2	68 00		
Carried forward	$203 20	$405 01	

Brought forward . . .	$203 20	$405 01	
31 square yards existing flagging crosswalks relaid, including concrete base, grout joints, @ $1.80 .	55 80		
1,286 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.09	2,687 74		
252 square yards concrete base and brick block pavement furnished and laid @ $2.83	713 16		
5,177 square feet artificial stone sidewalks furnished and laid @ 16c.	828 32		
291 square feet artificial stone driveways furnished and laid @ 17c. . . .	49 47		
5 covers reset @ $3 . .	15 00		
Extra work — Cut out concrete around water boxes and reset same and fit new guttermouths for catch-basins:			
8 hours, stonecutter, @ 62½c.	5 00		
24 hours' labor @ 40c. . .	9 60		
Plus 15 per cent on $14.60,	2 19		
2 bags cement @ 60c. .	1 20		
	$4,570 68		
Less 5 per cent retained,	228 53		
		4,342 15	
		$4,747 16	
Credit: Blocks	$930 00		
Bricks	117 00		
Edgestone	6 48		
		1,053 48	
			$3,693 68

North Russell street, from Cambridge street to Eaton street. Length, 439 linear feet. Area, 1,273 square yards. Edgestone reset, granite block repaved and asphalt wearing surface furnished and laid.

Engineering		$126 99
Inspection		57 14
Engineering expense		65
Advertising		1 57
Labor, making templets		6 00
Chemists' wages		7 33
Edgestone		13 60
Lumber		3 89
Amount paid to The Bermudez Company, under contract:		
15 linear feet straight edgestone and corners hauled and set @ 30c. .	$4 50	
Carried forward . . .	$4 50	$217 17

Brought forward . . .	$4 50	$217 17	
9 linear feet circular edgestone set @ 25c. . .	2 25		
657 linear feet existing edgestone reset @ 23c. .	151 11		
33 square yards existing granite block paving relaid, gravel joints, @ $1	33 00		
257 square yards existing granite block taken up, cleaned and relaid, including concrete base, cement sand bed and covering sand, grout joints (in gutters and edgings), @ $2.10 .	539 70		
1,016 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.53 . . .	2,570 48		
Extra work — Unload and pile paving blocks at Barton street:			
93 hours' labor @ 35c. . .	32 55		
Plus 15 per cent on $32.55,	4 88		
	$3,338 47		
Less 5 per cent retained .	166 92		
		3,171 55	
			$3,388 72

Park street, from Tremont street to Beacon street. Length, 519 linear feet. Area, 2,049 square yards. Edgestone reset, gutters repaved and granite block paving furnished and laid next to Beacon street. (Work unfinished.)

Engineering		$42 60	
Photographs		6 00	
Advertising		1 13	
Amount paid B. E. Grant, under contract:			
28 cubic yards concrete base furnished and laid @ $6 .	$168 00		
25 square yards existing granite block paving relaid, gravel joints, @ $1 . .	25 00		
144 square yards granite block paving furnished and laid, pitch joints, @ $3.15 .	496 80		
26 square yards granite block paving furnished and laid, grout joints, @ 3.60 .	93 60		
	$783 40		
Less amount retained . .	100 00		
		683 40	
			$733 13

Parkman street, from North Anderson street to North Grove street. Length, 172 linear feet. Area, 495 square yards. The edgestone was

reset, roadway paved with asphalt on a concrete base with brick block gutters, and artificial stone sidewalks were constructed. (Work done in 1916.)

Engineering		$15 35	
Amount paid to Warren Brothers Company, under contract:			
20 linear feet circular edgestone set @ 17c.	$3 40		
80 linear feet existing edgestone reset @ 15c.	12 00		
3 square yards existing granite block paving relaid, gravel joints, @ 53c.	1 59		
4 square yards existing granite block paving relaid, including concrete base, grout joints, @ $2,	8 00		
3 square yards existing flagging crosswalks relaid, gravel joints, @ 50c.	1 50		
6 square yards existing flagging crosswalks relaid, including concrete base, grout joints, @ $1.80	10 80		
376 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.09	785 84		
19 square yards bituminous concrete binder and asphalt wearing surface furnished and laid on macadam foundation @ $1.21	22 99		
100 square yards concrete base and brick block pavement furnished and laid @ $2.83	283 00		
4 square yards existing brick sidewalks relaid @ 30c.	1 20		
1,672 square feet artificial stone sidewalks furnished and laid @ 16c.	267 52		
Cover reset @ $3	3 00		
	$1,400 84		
Less 5 per cent retained	70 04		
	$1,330 80		
Less amount paid in 1916,	1,075 50		
		255 30	
		$270 65	
Credit: Bricks		42 00	
			$228 65

School street, from Washington street to Tremont street. Length, 570 linear feet. Area, 1,385 square yards. The edgestone, crosswalks and side-

walks were regulated where necessary. The roadway as constructed is of granite block pavement on a concrete base.

Engineering		$12 33	
Amount paid to B. E. Grant, under contract:			
75 linear feet existing edgestone reset @ 12c.	$9 00		
219.7 cubic yards concrete base furnished and laid @ $5.05	1,109 49		
1,331 square yards granite block paving furnished and laid, grout joints, @ $3.28	4,365 68		
36 square yards existing granite block paving relaid, grout joints, @ 85c.	30 60		
18 square yards existing flagging crosswalks relaid, grout joints, @ 80c.	14 40		
2 covers reset @ $3	6 00		
Extra work — Remove old concrete base:			
14½ hours, foreman, @ 75c.	10 88		
232 hours' labor @ 35c.	81 20		
Plus 15 per cent on $92.08,	13 81		
66 hours, double team, @ 75c.	49 50		
3 hours, auto truck, @ $3.75,	11 25		
40 loads material dumped in scow @ 35c.	14 00		
132 loads material dumped in scow @ 45c.	59 40		
	$5,775 21		
Less amount retained	38 46		
	$5,736 75		
Amount paid in 1916	5,252 72		
		484 03	
			$496 36

Somerset street, from Beacon street to Ashburton place. (Work not started.)

Engineering	$38 85	
Advertising	1 13	
Photographs	3 00	
		$42 98

South street, from Jamaica street to Arborway. (Work not started.)

Engineering	$102 76	
Engineering expense	1 30	
Photographs	6 00	
		$110 06

Summer street, from South street to Dorchester avenue, including Dewey square. Work done by Boston Transit Commission, under contract with Henry S. Clark, paving roadway over tunnel with granite blocks on a concrete base with grout joints. Area, 9,973 square yards.

Amount paid to Boston Transit Commission on agreement as the portion of cost chargeable to Public Works Department for paving roadway	$27,907 94	
Amount paid to H. S. Clark	898 39	
		$28,806 33

Tremont street, from Boylston street to Common street. Length, 875 linear feet. Area, 2,920 square yards. Edgestone was reset, roadway paved with wood blocks on a concrete base and the brick were relaid.

Engineering	$368 46	
Inspection	130 72	
Engineering expense	96 89	
Advertising	1 13	
Labor, handling blocks	19 50	
Photographs	9 00	
Lumber	4 76	
Bricks	17 50	
Labor, making templets	9 00	
	$656 96	
Credit: Blocks, 28,900 old granite	578 00	
	$78 96	
Amount paid to B. E. Grant, under contract:		
585 linear feet existing edgestone reset @ 12c.	$70 20	
475 cubic yards concrete base furnished and laid @ $6,	2,850 00	
399 square yards existing granite block paving relaid, gravel joints, @ $1	399 00	
35 square yards granite block paving furnished and laid, pitch joints, @ $3.45	120 75	
26 square yards granite block paving furnished and laid, grout joints, @ $3.60	93 60	
2,787 square yards wood block pavement furnished and laid, sand joints, @ $3.60	10,033 20	
322 square yards existing brick sidewalks relaid @ 35c.,	112 70	
6 covers reset @ $3	18 00	
Extra work — Load and pile wood blocks on Boylston street:		
54 hours, foreman, @ 75c.	40 50	
398 hours' labor @ 40c.	159 20	
376 hours, watchman, @ 35c.,	131 60	
3 hours, timekeeper, @ 35c.,	1 05	
Plus 15 per cent on $332.35	49 85	
75 hours, auto truck, @ $4.37½	328 13	
16 hours, double team, @ 75c.,	12 00	
Demurrage on wood block,	161 00	
Carried forward	$14,580 78	$78 96

Brought forward . . .	$14,580 78	$78 96	
Extra work — Remove paving blocks left on street by Boston Elevated Railway Company:			
9 hours, foreman, @ 75c. .	6 75		
63 hours' labor @ 40c. . .	25 20		
Plus 15 per cent on $31.95,	4 79		
18 hours, auto truck, @ $4.37½	78 75		
Extra work — Clean paving blocks, cut concrete, haul sidewalk bricks:			
125 hours' labor @ 40c. . .	50 00		
6 hours, paver, @ 75c. .	4 50		
4 hours, rammer, @ 45c. .	1 80		
Plus 15 per cent on $56.30,	8 45		
8 hours, auto truck, @ $4.37½	35 00		
Extra work — Pave as directed on Sundays:			
56 hours, foreman, @ 75c. .	42 00		
78 hours, paver, @ 75c. .	58 50		
880 hours' labor @ 40c. . .	352 00		
23 hours, timekeeper, @ 35c.,	8 05		
Plus 15 per cent on $460.55	69 08		
37 hours, auto truck, @ $4.37½	161 88		
	$15,487 53		
Less 5 per cent retained,	100 05		
		15,387 53	
			$15,466 49

Trull street, from Hancock street to Bellevue street. Artificial stone sidewalks constructed. Area, 3,060 square feet.

Amount paid to Jeremiah J. Sullivan, under contract:	
3,060 square yards artificial stone sidewalks laid @ 25c. .	$765 00

Washington street, from Haymarket square to Elm street. Length, 735 linear feet. Area, 3,543 square yards. Edgestone was reset, the roadway was repaved with special cut granite blocks with grout joints on 1-inch sand bed on 6-inch Portland cement concrete base. No work has been done on the sidewalks.

Engineering		$250 43	
Inspection		244 17	
Engineering expense		70	
Photographs		12 00	
Amount paid to B. E. Grant, under contract:			
703 linear feet existing edgestone reset @ 12c.	$84 36		
502.3 cubic yards concrete base furnished and laid @ $5.05	2,536 62		
Carried forward . . .	$2,620 98	$507 30	

Brought forward . . .	$2,620 98	$507 30	
111 square yards existing granite block paving relaid, gravel joints, @ 50c. .	55 50		
3,014 square yards granite block paving furnished and laid, grout joints, @ $3.28	9,885 92		
5 covers reset @ $3 . .	15 00		
Pile blocks at Barton street yard:			
84 hours, foreman, @ 75c. .	63 00		
784 hours' labor @ 35c. .	274 40		
Plus 15 per cent on $337.40	50 61		
Extra work — Cut concrete and Bradley head apron stone:			
16 hours, stonecutter, @ 62½c.	10 00		
9 hours' labor @ 35c. . .	3 15		
Plus 15 per cent on $13.15,	1 97		
	$13,383 80		
Less amount retained .	38 46		
		13,345 34	
			$13,852 64

Washington street, from 78 feet south of Court avenue to Beach street. Length, 2,815 linear feet. Area, 7,250 square yards. Edgestone reset and wood block pavement furnished and laid.

Engineering		$302 52	
Inspection		58 45	
Engineering expense		143 71	
Advertising		1 13	
Amount paid to B. E. Grant, under contract:			
1,747 square yards existing mortar bed picked and removed @ 10c. . .	$174 70		
113 square yards existing concrete base excavated and removed @ 50c. .	56 50		
28 linear feet existing edgestone reset @ 12c. .	3 36		
83 square yards existing granite block paving relaid, gravel joints, @ $1,	83 00		
20 square yards existing flagging crosswalks relaid, grout joints, @ $1 .	20 00		
7,250 square yards wood block pavement furnished and laid @ $3.40 . . .	24,650 00		
37 square yards existing brick sidewalks relaid @ 35c.,	12 95		
1 cover reset @ $3 . . .	3 00		
Carried forward . . .	$25,003 51	$505 81	

Brought forward	$25,003 51	$505 81	
Extra work — Omit the furnishing and laying of concrete base (1–3–6 mix) and substitute the furnishing and laying of concrete base (1–1½–3 mix):			
150 cubic yards concrete base furnished and laid (1–1½–3) @ $12 . . .	1,800 00		
Extra work — Remove materials left by corporations and repair closures caused by delaying in resetting manholes and boxes:			
82 hours, foreman, @ 75c. .	61 50		
993 hours' labor @ 40c. . .	397 20		
94 hours, paver, @ 75c. .	70 50		
64 hours, rammer, @ 45c. .	28 80		
Plus 15 per cent on $558 .	83 70		
80 hours, auto truck, @ $4.37½	350 00		
4 hours, double team, @ 75c.	3 00		
	$27,798 21		
Less 5 per cent retained .	100 00		
		27,698 21	
			$28,204 02

West Broadway, from Dorchester avenue to E street. Length, 2,598 linear feet. Area, 11,572 square yards. Asphalt pavement was laid on a concrete base with brick block gutters.

Engineering		$926 14	
Inspection		810 63	
Engineering expense		37 47	
Labor, handling stock		94 00	
Labor, making templets		6 00	
Chemists' wages		42 59	
Teaming		2 50	
Amount paid to Warren Brothers Company, under contract:			
550 square yards existing granite block paving relaid, gravel joints, @ 53c.	$291 50		
1,625 square yards existing granite block paving relaid, including concrete base, grout joints, @ $2,	3,250 00		
8,539 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.09	17,846 51		
Carried forward . . .	$21,388 01	$1,919 33	

Brought forward . . .	$21,388 01	$1,919 33
542 square yards bituminous concrete binder and asphalt wearing surface furnished and laid on existing foundation @ $1.21	655 82	
1,100 square yards concrete base and brick block pavement furnished and laid @ $2.83 . . .	3,113 00	
8 covers reset @ $3 . .	24 00	
Extra work — Furnish and lay extra bituminous binder where directed:		
10 cubic yards extra bituminous binder furnished and laid @ $10 . .	100 00	
Extra work — Patch old asphalt wearing surface in front of the St. Peter and Paul's Church:		
612 square yards asphalt wearing surface furnished and laid @ $1.37 . .	838 44	
Extra work — Furnish stonecutter to trim edgestone:		
32 hours, stonecutter, @ 62½c.	20 00	
Plus 15 per cent on $20 .	3 00	
Extra work — Pile paving blocks on East Fifth street:		
245 hours' labor @ 40c. . .	98 00	
Plus 15 per cent on $98 .	14 70	
Extra work — Cut out and remove existing bitulithic pavement at East street intersection:		
2½ hours, foreman, @ 75c. .	1 88	
57½ hours' labor @ 40c. . .	23 00	
Plus 15 per cent on $24.88,	3 73	
2 hours, auto truck, @ $3.75,	7 50	
Extra work — Remove old asphalt pavement where directed:		
16 hours, foreman, @ 75c. .	12 00	
128 hours' labor @ 40c. . .	51 20	
Plus 15 per cent on $63.20,	9 48	
32 hours, double team, @ 75c.,	24 00	
Extra work — Regulate existing concrete base where directed:		
36 hours, foreman, @ 75c. .	27 00	
314 hours' labor @ 40c. . .	125 60	
Plus 15 per cent on $152.60	22 89	
20 hours, double team, @ 75c.	15 00	
78 bags cement @ 60c. .	46 80	
Carried forward . . .	$26,625 05	$1,919 33

Brought forward . . .	$26,625 05	$1,919 33	
Extra work — Bar, ram and concrete high pressure water trench:			
7 hours, foreman, @ 75c. .	5 25		
51 hours' labor @ 40c. . .	20 40		
8 hours, paver, @ 75c. .	6 00		
Plus 15 per cent on $31.65,	4 75		
6 bags cement @ 60c. . .	3 60		
81 cubic feet sand @ 5c. .	4 05		
	$26,669 10		
Less 5 per cent retained .	1,333 46		
		25,335 64	
		$27,254 97	
Credit: Blocks, 1,237,600 old granite . .		2,475 20	
			$24,779 77

West Canton street, from Tremont street to Appleton street. (Work done in 1916.)

Engineering	$59 98	
Engineering expense	20	
		$60 18

STREETS CONSTRUCTED OR IN PROCESS OF CONSTRUCTION UNDER CHAPTER 393 OF THE ACTS OF 1906, AND THE COST CHARGED TO THE APPROPRIATION FOR HIGHWAYS, MAKING OF.

Ainsworth street footway, from Tyndale street to Belgrade avenue. Constructed footway under railroad tracks. (Work done in 1916.)

Engineering expense	$8 00	
Amount paid to Charles J. Jacobs & Co., final payment on contract for work done in 1916	285 20	
Amount paid to New York, New Haven & Hartford Railroad:		
Labor and materials used in supporting tracks over footway while the same was being constructed	1,516 76	
		$1,809 96

Alexander street, from Bird street to about 527 feet northerly. Length, 527 linear feet. Area, 1,588 square yards. Special cut granite block roadway, granite edgestone and artificial stone sidewalks were constructed.

Engineering	$12 65	
Inspection	13 58	
Engineering expense	60	
Carried forward	$26 83	

Brought forward			$26 83
Road oil			160 74
Crushed stone			43 55
Amount paid to James Doherty, under contract:			
Removing trees, etc.,	$45 00		
1,284 cubic yards earth excavation @ 60c.	770 40		
47½ cubic yards water box excavation @ $1	47 50		
29.5 cubic yards rock excavation @ $5.50	162 25		
545 linear feet straight edgestone and corners hauled and set @ 18c.,	98 10		
68 linear feet circular edgestone set @ 13c.	8 84		
163 linear feet existing edgestone reset @ 12c.	19 56		
12 square yards granite block paving, hauled and laid, gravel joints, @ 55c.	6 60		
13 square yards existing granite block paving relaid, gravel joints, @ 40c.	5 20		
1,818 square yards granite block paving furnished and laid, including concrete base, @ $3.25	5,908 50		
28 square yards flagging crosswalks hauled and laid, grout joints, including concrete, @ $1.65	46 20		
3,494 square feet artificial stone sidewalks furnished and laid @ 12½c.	436 75		
109 square feet artificial stone driveways furnished and laid @ 13c.	14 17		
1 cover reset @ $3	3 00		
Extra work — Omit the artificial stone sidewalks on the easterly side from Bird street to the railroad driveway and substitute a crushed stone sidewalk:			
16 hours' labor @ 35c.	5 60		
Plus 15 per cent on $5.60	84		
$11\frac{21}{100}$ tons crushed stone @ $1.50	17 93		
	$7,596 44		
Less amount paid in 1916,	6,170 04		
		1,426 40	
			$1,657 52

Alger street, from Dorchester avenue to New York, New Haven & Hartford Railroad. Length, 549 linear feet. Area, 2,074 square yards. Filling furnished. (Work unfinished.)

Engineering		$114 28	
Inspection		108 01	
Engineering expense		3 13	
Advertising		8 38	
Amount paid to Frank J. Hannon, under contract:			
750 cubic yards filling furnished and placed @ 90c.	$675 00		
Less 15 per cent retained	101 25		
		573 75	
			$807 55

Amory street, from Centre street to Bragdon street. Length, 1,408 linear feet. Area, 5,792 square yards. Special cut granite block roadway with concrete base, granite edgestones and artificial stone sidewalks.

Engineering		$234 08	
Inspection		310 96	
Engineering expense		17 45	
Advertising		4 48	
Lumber		8 59	
Edgestone		201 90	
Chemists' wages		45 00	
Labor, making templets		9 00	
Labor, handling stock		1 28	
		$832 74	
Credit: Flagging	$11 52		
Blocks	98 00		
		109 52	
		$723 22	
Amount paid to James Doherty, under contract:			
Removing trees, etc.	$45 00		
3,596 cubic yards earth excavation @ 66½c.	2,391 34		
249 cubic yards rock excavation @ $5.50	1,369 50		
1,559 linear feet straight edgestone and corners hauled and set @ 18c.,	280 62		
442 linear feet circular edgestone set @ 13c.	57 46		
753 linear feet existing edgestone reset @ 14¼c.	111 07		
843 cubic yards concrete base furnished and laid @ $5.25	4,425 75		
112 square yards existing granite block paving relaid, gravel joints, @ 45c.	50 40		
5,055 square yards granite block paving furnished and laid, grout joints, @ $2.49	12,586 95		
Carried forward	$21,318 09	$723 22	

Brought forward . . .	$21,318 09	$723 22
18,392 square feet artificial stone sidewalks furnished and laid @ 12½c. . .	2,344 98	
21 covers reset @ $3 . .	63 00	
103 cubic yards loam furnished and placed @ $1.40	144 20	
Extra work — Remove existing driveway at the Trimount Manufacturing Company and relocate it where directed:		
1 hour, foreman, @ 62½c. .	63	
8 hours, paver, @ 62½c. .	5 00	
35 hours' labor @ 35c. .	12 25	
Plus 15 per cent on $17.88	2 68	
2 hours, double team, @ 75c.	1 50	
Extra work — Slope the banks outside the street line where directed:		
22 hours, foreman, @ 62½c.,	13 75	
210 hours' labor @ 35c. .	73 50	
4 hours, water boy, @ 25c.,	1 00	
Plus 15 per cent on $88.25	13 24	
75 hours, double team, @ 75c.	56 25	
Extra work — Haul the edgestone stored near the street to the line of work:		
2½ hours, foreman, @ 62½c.,	1 56	
23 hours' labor @ 30c. .	6 90	
Plus 15 per cent on $8.46	1 27	
3 hours, double team, @ 75c.	2 25	
Extra work — Remove stump not shown on plan:		
5 hours' labor @ 30c. .	1 50	
Plus 15 per cent on $1.50	23	
Extra work — Refill settlement on sewer trench:		
4 hours' labor @ 30c. .	1 20	
Plus 15 per cent on $1.20	18	
Extra work — Haul inspectors' shanty from city yard and erect same on line of work:		
6 hours' labor @ 30c. .	1 80	
Plus 15 per cent on $1.80	27	
Carried forward . . .	$24,067 23	$723 22

Brought forward . . .	$24,067 23	$723 22	
8 hours, double team, @ 75c.	6 00		
Extra work — Regulate settlement over water trench:			
1 hour, paver, @ 62½c. .	63		
4 hours' labor @ 35c. .	1 40		
Plus 15 per cent on $2.03	30		
Extra work — Cut guttermouth in edgestone where directed:			
8 hours, stonecutter, @ 62½c.	5 00		
Plus 15 per cent on $5 .	75		
	$24,081 31		
Less amount paid in 1916,	1,400 20		
		22,681 11	
			$23,404 33

Ardent street, from Belgrade avenue to Colberg avenue. Length, 301 linear feet. Area, 870 square yards. Flagging crosswalks relaid on 4-inch concrete base with cement grout joints, asphalt surface laid on 4-inch concrete base and artificial stone sidewalks laid. (Work done in 1916.)

Amount paid to Central Construction Company, under contract:		
129 cubic yards earth excavation @ 55c. .	$70 95	
8 linear feet existing edgestone reset @ 12c.	96	
1 square yard existing granite block paving relaid, gravel joints, @ 50c. .	50	
9 square yards existing granite block paving relaid, grout joints, including concrete base, @ $1.25 . . .	11 25	
17 square yards existing flagging cross walks relaid, grout joints, including concrete base, @ $1.25 . . .	21 25	
865 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.58	1,366 70	
3,363 square feet artificial stone sidewalks furnished and laid @ 11¾c. . .	395 15	
4 covers reset @ $3	12 00	
Extra work — Grade roadway for 4-inch concrete base:		
21 hours, foreman, @ 62½c.	13 13	
145 hours' labor @ 30c.	43 50	
Plus 15 per cent on $56.63 . . .	8 49	
21 hours, steam roller, @ $1.50 . . .	31 50	
	$1,975 38	
Less amount paid in 1916 . . .	1,544 83	
		$430 55

Atkins street, from Washington street to Stratton street. Length, 618 linear feet. Area, 1,805 square yards. Edgestone set, roadway paved with asphalt and artificial stone sidewalks constructed.

Engineering		$236 37	
Inspection		141 10	
Engineering expense		3 80	
Labor, handling stock		8 51	
Teaming		4 00	
Edgestone, 1,100 feet straight, 4 small corners and 58 feet 10-inch circular and 4 special cut pieces		929 17	
Amount paid Central Construction Company, under contract:			
550 cubic yards earth excavation @ 74c.	$407 00		
1,100 linear feet straight edgestone and corners hauled and set @ 23c.	253 00		
83 linear feet circular edgestone set @ 15c.	12 45		
1,510 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.05	3,095 50		
7,120 square feet artificial stone sidewalks furnished and laid @ 14¾c.	1,050 20		
Extra work	640 00		
		5,458 15	
			$6,781 10

Atwell road, from Richwood street to Park street. (Work not started.)

Engineering		$39 00	
Engineering expense		25	
Teaming		18 89	
			$58 14

Augustus avenue, from Metropolitan avenue to Ethel street. Length, 414 linear feet. Area, 1,261 square yards. Edgestone was reset, new edgestone set, roadway surfaced with bituminous macadam, and artificial stone sidewalks and driveways furnished and laid.

Engineering		$71 51	
Inspection		65 50	
Engineering expense		9 31	
Lumber		1 85	
Asphalt, 3,132 gallons Bermudez		563 76	
Amount paid to Martino DeMatteo, under contract:			
Removing trees, bushes, etc.	$5 00		
516 cubic yards earth excavation @ 75c.	387 00		
7 cubic yards water box excavation @ $5	35 00		
602 linear feet straight edgestone and corners hauled and set @ 25c.	150 50		
136 linear feet circular edgestone set @ 12c.	16 32		
20 linear feet existing edgestone reset @ 13c.	2 60		
Carried forward	$596 42	$711 93	

Brought forward . . .	$596 42	$711 93	
360 linear feet crushed stone and concrete foundation furnished and placed @ 14c. . .	50 40		
1,256 square yards bituminous macadam furnished and laid @ 80c. . . .	1,004 80		
5,021 square feet artificial stone sidewalks furnished and laid @ 14c. . . .	702 94		
9 covers reset @ $3 . .	27 00		
Extra work — Repair tar macadam roadway over telephone trench on Metropolitan avenue at Augustus avenue:			
8 hours' labor @ 35c. . .	2 80		
Plus 15 per cent on $2.80 .	42		
3 hours, double team, @ 75c.	2 25		
14 square yards bituminous macadam surface furnished and placed @ 80c.	11 20		
Extra work — Transplant tree as directed:			
8 hours' labor @ 35c. . .	2 80		
Plus 15 per cent on $2.80 .	42		
Extra work — Furnish and place additional drains to connect cinder foundation of sidewalk with catch basins as directed:			
2 drains @ 75c. . . .	1 50		
Extra work — Furnish lights at night for wall removed from corner of Metropolitan avenue and stored in street:			
17 nights' lighting @ $1.25 .	21 25		
	$2,225 72		
Less amount paid in 1916,	508 06		
	$1,717 66		
Less amount retained .	333 86		
		1,383 80	
			$2,095 73

Baird street, from Morton street to Blue Hill avenue. (Work not started.)

Engineering	$51 00	
Engineering expense	70	
		$51 70

Bardwell street, from South street to Ballard street. Length, 613 linear feet. Area, 1,260 square yards. Edgestone set, sheet asphalt pavement laid on 4-inch concrete base, and artificial stone sidewalks constructed.

Engineering		$92 98	
Inspection		22 96	
Engineering expense		1 90	
Chemists' wages		7 20	
Repairing bitulithic pavement		35 72	
Amount paid to Central Construction Company, under contract:			
Removing trees, bushes, etc.	$72 00		
661 cubic yards earth excavation @ 55c.	363 55		
948 linear feet straight edgestone and corners hauled and set @ 17c.,	161 16		
296 linear feet circular edgestone set @ 15c.	44 40		
4 square yards existing granite block paving relaid, gravel joints, @ 50c.	2 00		
1,328 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.58,	2,098 24		
4,517 square feet artificial stone sidewalks furnished and laid @ 11¾c.	530 75		
2 covers reset @ $3	6 00		
Extra work — Cut sheathings as directed:			
8 hours' labor @ 30c.	2 40		
Plus 15 per cent on $2.40,	36		
Extra work — Remove edgestone already set and construct driveway:			
5½ hours, edgestone setter, @ 75c.	4 13		
6 hours, helper, @ 33⅓c.	2 00		
Plus 15 per cent on $6.13,	92		
1 hour, double team, @ 75c.,	75		
	$3,288 66		
Less amount paid in 1916,	1,545 09		
		1,743 57	
			$1,904 33

Bayswater street, from Austin avenue to Waupello road. (Work not started.)

Engineering	$87 13	
Engineering expense	35	
		$87 48

Bellvista road, from Allston street to Brookline line. (Work not started.)

Engineering	$59 00	
Engineering expense	55	
Advertising	3 88	
		$63 43

Bexley road, from Washington street to Florence street. (Work not started.)

Engineering		$1 28	
Edgestone, 1,590 feet straight and 28 feet 2 inches circular		1,192 26	
			$1,193 54

Blake street, from Hyde Park boundary across Randolph road. Length, 1,469 linear feet. Area, 4,243 square yards. Edgestone set, gutters repaved and roadway paved with asphalt and artificial stone sidewalks constructed.

Engineering		$88 83	
Inspection		46 58	
Engineering expense		35	
Advertising		4 48	
Labor, handling stock		3 15	
Edgestone, 230 feet straight and 25 feet 8 inches circular		197 94	
Amount paid Central Construction Company, under contract:			
120 cubic yards earth excavation @ 74c.	$88 80		
2 cubic yards rock excavation @ $6	12 00		
210 linear feet straight edgestone and corners hauled and set @ 23c.	48 30		
48 linear feet circular edgestone set @ 15c.	7 20		
400 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.05,	820 00		
1,390 square feet artificial stone sidewalks furnished and laid @ 14¾c.	205 03		
Extra work	120 00		
		1,301 33	
			$1,642 66

Breck avenue, from Washington street to Langley road. Length, 207 linear feet. Area, 700 square yards. Edgestone set, bituminous macadam roadway constructed and artificial stone sidewalks built.

Engineering		$119 35	
Inspection		89 30	
Engineering expense		3 10	
Labor, handling stock		4 54	
Edgestone, 357 feet 9 inches straight, 148 feet circular and 2 small corners		454 43	
Teaming		4 00	
Amount paid to Martino DeMatteo, under contract:			
250 cubic yards earth excavation @ 75c.	$187 50		
200 linear feet straight edgestone and corners hauled and set @ 25c.	50 00		
Carried forward	$237 50	$674 72	

Brought forward	$237 50	$674·72	
95 linear feet circular edgestone set @ 12c. . .	11 40		
1,700 square feet artificial stone sidewalks furnished and laid @ 14c.	238 00		
	$486 90		
Less 15 per cent retained .	73 03		
		413 87	
			$1,088 59

Brunswick street, from Blue Hill avenue to Normandy street. Length, 639 linear feet. Area, 1,852 square yards. Edgestone was set, gutters repaved, roadway paved with asphalt and artificial stone sidewalks and driveways were constructed.

Engineering		$2 55	
Engineering expense		30	
Chemists' wages		9 00	
Amount paid Central Construction Company, under contract:			
398 cubic yards earth excavation @ 55c. . . .	$218 90		
$46\frac{7}{10}$ cubic yards rock excavation @ $5	233 50		
44 square yards existing granite block paving relaid, gravel joints, @ 40c. .	17 60		
1,849 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.60,	2,958 40		
7,649 square feet artificial stone sidewalks furnished and laid @ $12\frac{1}{2}$c. . . .	956 13		
67 square feet artificial stone driveways furnished and laid @ 14c. . . .	938 00		
1 cover reset @ $3 . .	3 00		
	$4,396 91		
Less amount paid in 1916,	3,539 83		
	$857 08		
Less amount retained .	29 42		
		827 66	
			$839 51

Burlington avenue, from Brookline avenue about 501 feet northwest. (Work not started.)

Engineering	$35 00	
Engineering expense	55	
Labor, excavating roadway	294 95	
Teaming	56 00	
		$386 50

Cameron street, from Hancock street 530 feet southwesterly. (Work not started.)

Engineering	$5 00

Carmel street, from Tremont street to Delle avenue. (Work not started.)

Engineering		$61 78	
Engineering expense		90	
Advertising		8 58	
Blocks		12 00	
			$83 26

Caspian way, from Savin Hill avenue to about 520 feet easterly. Length, 520 linear feet. Area, 1,540 square yards. Asphalt macadam roadway, new granite edgestone and artificial stone sidewalks constructed.

Engineering		$244 33	
Inspection		176 80	
Engineering expense		27 58	
Labor, handling stock		10 13	
Edgestone, 665 feet 7 inches straight, 200 feet 6½ inches circular and 6 small corners		752 44	
Road oil		743 22	
Amount paid to M. DeMatteo, under contract:			
300 cubic yards earth excavation @ 75c.	$225 00		
150 cubic yards rock excavation @ $5	750 00		
669 linear feet straight edgestone and corners hauled and set @ 25c.	167 25		
204 linear feet circular edgestone set @ 12c.	24 48		
84 linear feet existing edgestone reset @ 13c.	10 92		
1,542 square yards bituminous macadam surface furnished and placed @ 80c.	1,233 60		
2,335 square feet artificial stone sidewalks furnished and laid @ 14c.	326 90		
95 square feet artificial stone driveways furnished and laid @ 20c.	19 00		
9 covers reset @ $3	27 00		
	$2,784 15		
Less 15 per cent retained,	417 62		
		2,366 53	
			$4,321 03

Cedric street, from Magazine street to Langdon street. Length, 616 linear feet. Area, 1,369 square yards. Edgestone was set, asphalt wearing surface furnished and laid and artificial stone sidewalks furnished and laid.

Engineering		$4 87	
Engineering expense		60	
Chemists' wages		8 00	
Amount paid Central Construction Company, under contract:			
1,318 cubic yards earth excavation @ 55c.	$724 90		
Carried forward	$724 90	$13 47	

Brought forward . . .	$724 90	$13 47	
1,179 linear feet straight edgestone and corners hauled and set @ 18c . .	212 22		
20 linear feet circular edgestone set @ 11c. . .	2 20		
11 linear feet existing edgestone reset @ 10c. .	1 10		
1,356 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.60,	2,169 60		
5,302 square feet artificial stone sidewalks furnished and laid @ 12½c. . . .	662 75		
5 covers reset @ $3 . .	15 00		
	$3,787 77		
Less amount paid in 1916,	3,211 19		
	$576 58		
Less amount retained .	29 42		
		547 16	
			$560 63

Centervale park, from Upland avenue to Bourneside street. Length, 517 linear feet. Area, 2,219 square yards. Concrete base, asphalt pavement, granite edgestone and artificial stone sidewalks with loam spaces constructed.

Engineering		$66 23	
Engineering expense		5 47	
Chemists' wages		9 00	
Photographs		9 50	
Amount paid to the Central Construction Company, under contract:			
1,112 cubic yards earth excavation @ 55c. . . .	$611 60		
1,867 linear feet straight edgestone and corners hauled and set @ 18c. .	336 06		
32 linear feet circular edgestone set @ 11c. . .	3 52		
68 linear feet existing edgestone reset @ 10c. .	6 80		
2,219 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.60,	3,550 40		
1,100 square yards artificial stone sidewalks furnished and laid @ 12½c.,	137 50		
7 covers reset @ $3 . .	21 00		
1,050 square yards loam spaces graded and seeded @ 9c.	94 50		
	$4,761 38		
Less amount paid in 1916,	3,393 45		
	$1,367 93		
Less amount retained .	29 42		
		1,338 51	
			$1,428 71

Charles street, at Beacon street. Edgestone reset.

Labor, edgestone excavating		$121 28	
Labor, edgestone resetting		73 75	
Labor, roadway excavating		48 31	
Labor, roadway repaving		96 50	
Labor, crosswalk repaving		45 00	
Labor, handling stock		1 35	
Teaming		208 00	
Edgestone		86 04	
Flagging		7 02	
Blocks		23 00	
Sand		60	
Gravel		32 20	
Crushed stone		75	
Cement		71	
			$744 51

Clarendon street, extended to Columbus avenue. (Work not started.)

Engineering			$4 00

Cliffmont street, from Canterbury street to 1,120 feet southerly. Length, 1,120 linear feet. Area, 3,315 square yards. Edgestone set. (Work unfinished.)

Engineering		$82 36	
Inspection		116 61	
Engineering expense		2 55	
Advertising		5 98	
Edgestone, 501 feet 3 inches straight		360 90	
Labor, handling stock		4 63	
Amount paid Martino DeMatteo, under contract:			
500 linear feet straight edgestone and corners hauled and set (unfinished) @ 8c.	$40 00		
Constructing wall and fence (unfinished)	500 00		
	$540 00		
Less 15 per cent retained	81 00		
		459 00	
			$1,032 03

Conley street, from Old Colony parkway to Tenean street. Length, 473 linear feet. Area, 1,367 square yards. Filling furnished. (Construction not started.)

Engineering		$43 59	
Engineering expense		1 95	
Advertising		4 30	
Labor, roadway excavating		71 12	
Teaming		77 03	
Labor, edgestone resetting		170 54	
Labor, handling stock		4 50	
Amount paid to D. M. Biggs & Co., under contract:			
1,200 cubic yards filling furnished and placed @ 95c.	$1,140 00		
Less 15 per cent retained	171 00		
		969 00	
Gravel		24 13	
Carried forward		$1,366 16	

Brought forward		$1,366 16	
Cement		59	
Lumber		1 98	
Edgestone, 300 feet		216 00	
			$1,584 73

Cornell street, from Orange street to Colberg avenue. Length, 1,437 linear feet. Area, 4,151 square yards. Bituminous macadam roadway, granite edgestone and artificial stone sidewalks constructed.

Engineering		$357 96	
Inspection		457 83	
Engineering expense		104 70	
Lumber, $2.48, and nails, 15c.		2 63	
Labor, handling stock		37 81	
Edgestone, 2,406 feet 8-inch straight, 8 small corners, 2 special cut and 68 feet circular		1,867 72	
Road oil, 10,382 gallons		1,868 76	
Teaming		5 00	
Amount paid to M. DeMatteo, under contract:			
4,500 cubic yards earth excavation @ 75c.	$3,375 00		
2,450 linear feet straight edgestone and corners hauled and set @ 25c.,	612 50		
75 linear feet circular edgestone set @ 12c.	9 00		
1,300 linear feet crushed stone and concrete foundation furnished and laid @ 14c.	182 00		
4,000 square yards bituminous macadam surface furnished and placed @ 80c.	3,200 00		
16,350 square feet artificial stone sidewalks furnished and laid @ 14c.	2,289 00		
	$9,667 50		
Less amount paid in 1916,	637 50		
	$9,030 00		
Less amount retained	1,450 13		
		7,579 87	
			$12,282 28

Cummings road, from Commonwealth avenue to Brighton avenue. Length, 903 linear feet. Area, 2,714 square yards. Edgestone set, granite block gutters and brows laid on a 4-inch concrete base, cement grout joints, sheet asphalt pavement laid on 4-inch concrete base and artificial stone sidewalks with loam spaces built.

Engineering	$344 41	
Inspection	196 92	
Engineering expense	8 40	
Labor, handling stock	22 53	
Chemists' wages	14 40	
Edgestone, 1,485 feet straight, 6 small corners and 343 feet 7 inches circular	1,521 37	
Carried forward	$2,108 03	

Brought forward		$2,108 03	
Amount paid Central Construction Company, under contract:			
900 cubic yards earth excavation @ 74c. . . .	$666 00		
171 cubic yards rock excavation @ $6 . . .	1,026 00		
1,455 linear feet straight edgestone and corners hauled and set @ 23c. .	334 65		
343 linear feet circular edgestone set @ 15c. . .	51 45		
2,200 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.05,	4,510 00		
7,200 square feet artificial stone sidewalks furnished and laid @ 14¾c. . . .	1,062 00		
100 square feet artificial stone driveways furnished and laid @ 14¾c. . . .	14 75		
Extra work — Omit furnishing and laying of brick block gutters, etc.:			
500 square yards concrete base and second-hand granite block gutters furnished and laid @ $2 . .	1,000 00		
Extra work — Omit artificial stone sidewalk and substitute loam space and place additional framing:			
7,200 square feet additional framing furnished and placed @ 2¼c. . .	162 00		
400 square yards loam space furnished, placed and seeded @ 75c. . .	300 00		
		9,126 85	
			$11,234 88

Dana avenue footway, from Dana avenue to Easton avenue. Length, 75 linear feet. Artificial stone steps and landing constructed. (Work done, but no payment made in 1917.)

Engineering	$116 11	
Inspection	19 33	
Engineering expense	7 26	
Advertising	4 50	
		$147 20

Deer street, from Roach street to Melvinside terrace. (Work not started.)

Engineering	$13 00

Denny street, near Savin Hill Playground. Discontinued and widened.

Engineering	$6 85	
Advertising	4 48	
		$11 33

Downer avenue, from DeWolf street to Sawyer avenue. Length, 838 linear feet. Area, 2,321 square yards. Edgestone was reset, street was surfaced with bituminous macadam and artificial stone sidewalks and driveways were constructed.

Engineering			$184 99
Engineering expense			8 60
Inspection			114 48
Advertising			4 48
Labor, handling stock			16 11
Edgestone, 1,166 feet straight, 2 small corners and 1 special stone			909 71
Asphalt, 5,914 gallons Bermudez			1,064 52
			$2,302 89
Credit: Blocks			14 00
			$2,288 89
Amount paid to Martino DeMatteo, under contract:			
950 cubic yards earth excavation @ 75c.	$712 50		
17 cubic yards rock excavation @ $5	85 00		
1,050 linear feet straight edgestone and corners hauled and set @ 25c.	262 50		
30 linear feet circular edgestone set @ 12c.	3 60		
2,320 square yards bituminous macadam surface furnished and placed @ 80c.	1,856 00		
6,500 square yards artificial stone sidewalks furnished and laid @ 14c.	910 00		
50 square feet artificial stone driveways furnished and laid @ 20c.	10 00		
7 covers reset @ $3	21 00		
	$3,860 60		
Less amount retained	579 09		
		3,281 51	
			$5,570 40

Dunbar avenue, from Washington street westerly. (Work not started.)

Engineering	$5 00

Dunlap street, from Washington street to Whitfield street. (Work done in 1916.)

Engineering expense	$0 20

Dunster road, from Centre street to Pond street. Length, 1,770 linear feet. Area, 5,113 square yards. Concrete base, asphalt pavement, granite edgestone and artificial stone sidewalks constructed.

Engineering	$131 25
Inspection	46 93
Engineering expense	5 81
Chemists' wages	43 17
Carried forward	$227 16

Brought forward		$227 16
Labor, handling stock		10
Edgestone		12 80
Teaming		2 50
Amount paid Central Construction Company, under contract:		
Removing trees, bushes, etc.	$39 00	
2,048 cubic yards earth excavation @ 55c.	1,126 40	
7 cubic yards water box excavation @ $2	14 00	
1,051 linear feet straight edgestone and corners hauled and set @ 17c.,	178 67	
19 linear feet circular edgestone set @ 15c.	2 85	
97 linear feet existing edgestone reset @ 12c.	11 64	
5 square yards existing granite block paving relaid, gravel joints, @ 50c.	2 50	
5,074 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.58	8,316 92	
10,678 square feet artificial stone sidewalks furnished and laid @ 11¾c.	1,254 67	
813 square feet artificial stone driveways furnished and laid @ 15c.	121 95	
15 covers reset @ $3	45 00	
493 square yards loam spaces furnished and laid @ 60c.	295 80	
Extra work — Furnish additional framing for artificial stone sidewalks between Dane and Pond streets on account of loam spaces:		
1,802 linear feet additional framing @ 5½c.	99 11	
Extra work — Remove edgestone and construct driveway at No. 80:		
8 hours, edgestone setter, @ 75c.	6 00	
8 hours, helper, @ 37½c.	3 00	
Plus 15 per cent on $9	1 35	
Extra work — Removing edgestone already set and construct driveway at No. 113:		
8 hours, edgestone setter, @ 75c.	6 00	
Carried forward	$11,524 86	$242 56

Brought forward	$11,524 86	$242 56	
24 hours, helper, @ 37½c.	9 00		
Plus 15 per cent on $15,	2 25		
8 hours, double team, @ 87½c.	7 00		
Extra work — Remove existing edgestone already set and construct driveway at No. 76:			
4½ hours, edgestone setter, @ 75c.	3 38		
13½ hours, helper, @ 33½c.	4 50		
2 hours' labor @ 30c.	60		
Plus 15 per cent on $8.48	1 27		
2 hours, double team, @ 75c.	1 50		
	$11,254 36		
Less amount paid in 1916,	4,370 36		
		6,884 00	
			$7,126 56

Epping street, from Washington street to Norfolk street. Length, 241 linear feet. Area, 556 square yards. Asphalt roadway, concrete base, new edgestones and artificial stone sidewalks were constructed.

Engineering		$59 64	
Inspection		81 97	
Engineering expense		6 94	
Edgestone		34 44	
Bitulithic repairs		246 57	
Amount paid Central Construction Company, under contract:			
400 cubic yards earth excavation @ 55c.	$220 00		
370 linear feet straight edgestones and corners hauled and set @ 18c.	66 60		
40 linear feet circular edgestones set @ 11c.	4 40		
70 linear feet existing edgestone reset @ 10c.	7 00		
500 square yards concrete base, bituminous concrete binder and asphalt wearing surface @ $1.60	800 00		
2,100 square feet artificial stone sidewalks furnished and laid @ 12½c.	262 50		
	$1,360 50		
Less amount paid in 1916,	93 50		
	$1,267 00		
Amount retained	16 50		
		1,250 50	
			$1,680 06

Eric avenue, from Savin Hill avenue to 344 feet northerly. Length, 237 linear feet. Area, 1,261 square yards. Edgestone set, roadway paved with asphalt and artificial stone sidewalks constructed.

Engineering		$19 53	
Inspection		13 27	
Engineering expense		30	
Chemists' wages		9 00	
Amount paid to Central Construction Company, under contract:			
430 cubic yards earth excavation @ 55c.	$236 50		
412 linear feet straight edgestone hauled and set @ 18c.	74 16		
24 linear feet circular edgestone set @ 11c.	2 64		
7 linear feet existing edgestone reset @ 10c.	70		
1,282 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.60	2,051 20		
3,148 square feet artificial stone sidewalks furnished and laid @ 12½c.	393 50		
Extra work — Remove edgestone already set and construct driveway near Savin Hill avenue:			
6 hours, paver, @ 75c.	4 50		
22 hours, tender, @ 37½c.	8 25		
Plus 15 per cent on $12.75	1 91		
11 hours, double team, @ 75c.	8 25		
	$2,781 61		
Less amount paid in 1916,	2,163 55		
	$618 06		
Less amount retained	30 49		
		587 57	
			$629 67

Everton street, from Geneva avenue to Olney street. Length, 690 linear feet. Area, 2,026 square yards. Concrete base, Topeka pavement, granite edgestone and artificial stone sidewalks constructed.

Engineering		$45 53	
Inspection		30 57	
Engineering expense		2 20	
Chemists' wages		19 79	
Edgestone		51 98	
Amount paid to the Central Construction Company, under contract:			
900 cubic yards earth excavation @ 55c.	$495 00		
190 cubic yards rock excavation @ $5	950 00		
Carried forward	$1,445 00	$150 07	

Brought forward . . .	$1,445 00	$150 07	
6,600 square feet artificial stone sidewalks furnished and laid @ 12½c. . . .	825 00		
1 cubic yard water box excavation @ $2 . . .	2 00		
249 linear feet straight edgestone and corners hauled and set @ 18c. . .	44 82		
146 linear feet circular edgestone set @ 11c. . .	16 06		
60 linear feet existing edgestone reset @ 10c. .	6 00		
218 square feet artificial stone driveways furnished and laid @ 14c. . . .	30 52		
1,997 square yards concrete base and Topeka pavement furnished and laid @ $1.60	3,195 20		
Extra work — Load and haul edgestone from Blake lot to the line of the work:			
40 hours' labor @ 30c. . .	12 00		
Plus 15 per cent on $12 .	1 80		
20 hours, double team, @ 75c.	15 00		
4 hours, auto truck, @ $2.50	10 00		
	$5,603 40		
Less amount paid in 1916,	2,533 93		
	$3,069 47		
Less amount retained .	30 49		
		3,038 98	
			$3,189 05

Faywood avenue, from Orient avenue to Tower street. (Work not started.)

Engineering	$100 00	
Engineering expense	80	
Advertising	4 48	
		$105 28

Fordham road, from Commonwealth avenue to Brighton avenue. Length, 624 linear feet. Area, 1,803 square yards. Edgestone set, roadway paved with asphalt and artificial stone sidewalks constructed.

Engineering	$356 79	
Inspection	118 89	
Engineering expense	4 85	
Labor, handling stock	18 44	
Labor, making templets	6 00	
Chemists' wages	11 90	
Lumber	2 63	
Edgestone, 1,049 feet 2 inches straight and 5 small corners	793 12	
Teaming	5 50	
Carried forward	$1,318 12	

Brought forward		$1,318 12	
Amount paid Central Construction Company, under contract:			
758 cubic yards earth excavation @ 74c.	$560 92		
1,000 linear feet straight edgestone and corners hauled and set @ 23c.	230 00		
40 linear feet circular edgestone set @ 15c.	6 00		
1,430 square yards concrete base bituminous concrete binder and asphalt wearing surface furnished and placed @ $2.05	2,931 50		
7,000 square feet artificial stone sidewalks furnished and laid @ 14¼c.	1,032 50		
Extra work	865 06		
	$5,625 98		
Less amount retained	125 00		
		5,500 98	
			$6,819 10

Fuller street, from Commonwealth avenue to boundary line. Roadway graded and filled. (Unfinished.)

Engineering	$92 14	
Engineering expense	75	
Teaming	136 75	
Labor, roadway excavating	584 00	
		$813 64

Gaffney street, from Commonwealth avenue to Boston & Albany Railroad. Length, 814 linear feet. Area, 4,743 square yards. Edgestone set, gutters paved with granite block, roadway paved with asphalt and asphalt laid in roadway. (Unfinished from 1916.)

Engineering	$355 69	
Inspection	279 18	
Engineering expense	17 76	
Labor, handling stock	14 85	
Labor, making templets	6 00	
Chemists' wages	41 54	
Edgestone, 984 feet straight and 101 feet circular	836 45	
Lumber	3 81	
Filling	198 32	
Amount paid to Central Construction Company, under contract:		
2,800 cubic yards earth excavation @ 74c.	$2,072 00	
54 cubic yards rock excavation @ $6	324 00	
1,530 linear feet straight edgestone and corners hauled and set @ 23c.,	351 90	
100 linear feet circular edgestone set @ 15c.	15 00	
Carried forward	$2,762 90	$1,753 60

Brought forward	$2,762 90	$1,753 60
30 linear feet existing edgestone reset @ 15c. .	4 50	
3,880 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.05	7,954 00	
30 square yards wood block paving furnished and laid @ $4	120 00	
19,900 square feet artificial stone sidewalks furnished and laid @ 14¾c. .	2,935 25	
450 square feet artificial stone driveways furnished and laid @ 14¾c. .	88 50	
7 covers reset @ $3 . .	21 00	
Extra work — Omit the furnishing and laying of brick block gutters, etc.:		
445 square yards concrete base and second-hand granite block gutters furnished and laid @ $2	890 00	
Extra work — Furnished crushed stone at brows of tracks to build temporary roadway:		
65 cubic yards crushed stone furnished @ $2.15 .	139 75	
Extra work — Lay artificial stone sidewalks at night, prepare roadway and remove material at Braves' Field in preparation for reception to Allies:		
5 days, foreman, @ $6 .	30 00	
2½ days, carpenter, @ $5 .	12 50	
21 days, finisher, @ $5 .	105 00	
1 day, mason, @ $5.60 .	5 60	
97 days' labor @ $2.80 .	271 60	
1¼ days, watchman, @ $2.80,	3 50	
Plus 15 per cent on $428.20 . . .	64 23	
11 days, double team, @ $7,	77 00	
5 hours, auto truck, @ $3,	15 00	
5 hours, steam roller, @ $2,	10 00	
1,000 feet B. M. 284 spruce @ $30 M.	30 00	
6 nights, acetelyne lights, @ $2	12 00	
1 drum, calcium carbide, @ $6	6 00	
Carried forward	$15,558 33	$1,753 60

Brought forward	$15,558 33	$1,753 60	
Extra work — Make proportion for top of artificial stone sidewalks 1½ parts cement to 1 part sand:			
50 barrels cement @ $2.60,	130 00		
Extra work — Remove edgestone and reset the same in new location on account of change in plan:			
1 day, foreman, @ $5 .	5 00		
2½ days, edgestone setter, @ $6	15 00		
18 days' labor @ $2.40 .	43 20		
Plus 15 per cent on $63.20	9 48		
½ day, double team, @ $6,	3 00		
	$15,764 01		
Less amount paid in 1916,	1,353 75		
	$14,410 26		
Less amount retained .	141 05		
Amount paid in 1917		14,269 21	
			$16,022 81

Glencoe street, from North Beacon street to Garden street. Length, 763 linear feet. Area, 2,212 square yards. Edgestone set and reset, granite block gutters and brows laid on 4-inch concrete base, cement grout joints, sheet asphalt pavement laid on 4-inch concrete base and artificial stone sidewalks laid.

Engineering		$127 39	
Inspection		136 71	
Engineering expense		3 50	
Labor, handling stock		21 10	
Chemists' wages		30 85	
Edgestone, 1,370 feet straight, 57 feet circular and 12 small corners		1,140 26	
Amount paid Central Construction Company, under contract:			
635 cubic yards earth excavation @ 74c.	$469 90		
1,350 linear feet straight edgestone and corners hauled and set @ 23c. . .	310 50		
80 linear feet circular edgestone set @ 15c. . .	12 00		
1,800 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and placed @ $2.05	3,690 00		
8,500 square feet artificial stone sidewalks furnished and laid @ 14¾c. . . .	1,253 75		
Carried forward . . .	$5,736 15	$1,459 81	

Brought forward . . .	$5,736 15	$1,459 81	
200 square feet artificial stone driveways furnished and laid @ 14½c. . . .	29 50		
Extra work — Omit furnishing and laying of brick block gutters, etc.:			
400 square yards concrete base and second-hand granite block gutters furnished and laid @ $2 . .	800 00		
		6,565 65	
			$8,025 46

Goodale road (southerly side), from Blue Hill avenue 620 feet westerly. Length, 627 linear feet. Area, 3,955 square feet. Artificial stone sidewalks constructed.

Engineering		$79 37	
Inspection		17 50	
Engineering expense		3 00	
Labor, handling stock		4 50	
Advertising		6 53	
Labor, edgestone excavating		223 89	
Labor, edgestone resetting		106 63	
Labor, gutter excavating		110 04	
Labor, gutter repaving		111 63	
Labor, roadway excavating		41 31	
Blocks		154 50	
Cement		48 59	
Gravel		120 00	
Lumber		1 32	
Edgestone, 621 feet straight		460 36	
Pebbles		22 22	
Teaming		324 05	
Amount paid to Michael D. Russo & Co., under contract:			
3,955 square feet artificial stone sidewalks furnished and laid @ 19½c. . . .	$771 23		
Extra work — Excavate and remove earth above curb grade:			
127 cubic yards earth excavation @ $1 . . .	127 00		
Extra work — Remove material from cave-in, caused by rain:			
16 hours' labor @ 40c. . .	6 40		
Plus 15 per cent on $6.40,	96		
		905 59	
			$2,741 03

Gove street, from Cottage street to Venice street. Length, 428 linear feet. Area, 1,670 square yards. Edgestone was set, gutters repaved and roadway paved with Topeka.

Engineering	$185 23	
Inspection	117 47	
Engineering expense	2 00	
Advertising	2 44	
Chemists' wages	2 61	
Carried forward	$309 75	

Brought forward		$309 75	
Bricks, 7,000		105 00	
Blocks, 9,500 old granite		190 00	
Edgestone, 642 feet straight, 37 feet 8 inches circular and 8 special cut pieces		595 84	
Amount paid Warren Brothers Company, under contract:			
235 cubic yards earth excavation @ $1.25	$293 75		
50 cubic yards filling furnished @ $1.25	62 50		
620 linear feet straight edgestone and corners hauled and set @ 30c.	180 00		
85 linear feet circular edgestone set @ 25c.	21 25		
10 linear feet existing edgestone reset @ 22c.	2 20		
200 square yards granite block paving hauled and laid, concrete base, grout joints, @ $2.30	460 00		
10 square yards existing granite block paving, concrete base, grout joints, relaid @ $2	20 00		
500 square yards concrete base and Topeka wearing surface furnished and laid @ $1.99	995 00		
980 square yards concrete base and Topeka wearing surface furnished and laid (unfinished) @ 75c.	735 00		
9 covers reset @ $3	27 00		
	$2,802 70		
Less amount retained	425 50		
		2,377 20	
			$3,577 79

Gove Street Footbridge, from Orleans street to Bremen street. (Work done in 1916.)

Engineering expense	$21 60

Granada avenue, from Metropolitan avenue to Ethel street. Length, 417 linear feet. Area, 1,245 square yards. Edgestone was reset, roadway surfaced with bituminous macadam, and artificial stone sidewalks and driveways were constructed. (Unfinished work from 1916.)

Engineering		$85 16	
Inspection		88 08	
Engineering expense		5 30	
Edgestone		17 58	
Asphalt, 3,184 gallons Bermudez		573 12	
Amount paid to Martino DeMatteo, under contract:			
610 cubic yards earth excavation @ 75c.	$457 50		
Carried forward	$457 50	$769 24	

Brought forward	$457 50	$769 24	
750 linear feet straight edgestone and corners hauled and set @ 25c.	187 50		
50 linear feet circular edgestone set @ 12c.	6 00		
40 linear feet existing edgestone reset @ 13c.	5 20		
1,267 square yards bituminous macadam surface furnished and laid @ 80c.,	1,013 60		
5,160 square feet artificial stone sidewalks furnished and laid @ 14c.	722 40		
170 square feet artificial stone driveways furnished and laid @ 20c.	34 00		
	$2,426 20		
Less amount paid in 1916,	313 95		
	$2,112 25		
Less amount retained	363 93		
		1,748 32	
			$2,517 56

Greenview avenue, from Centre street 219 feet. (Work not started.)

Engineering	$39 00	
Engineering expense	35	
		$39 35

Grove street, from Centre street to Washington street. (Under contract, but no payment made.)

Engineering	$323 87	
Engineering expense	5 13	
Advertising	4 30	
		$333 30

Hallam street, from Dorchester avenue to Auckland street. (Work not started.)

Engineering	$122 77	
Engineering expense	2 83	
		$125 60

Hampstead road, from the Arborway. (Work not started.)

Engineering	$33 00

Harvard street, from Morton street to Deering road, 1,686 feet edgestone set and 415 square yards gutter paved and grouted.

Engineering	$83 80
Engineering expense	2 90
Advertising	2 80
Labor, edgestone excavating	646 29
Labor, edgestone setting	294 57
Labor, gutter excavating	267 85
Labor, gutter paving	319 58
Labor, handling stock	24 51
Carried forward	$1,642 30

Brought forward		$1,642 30	
Edgestone, 1,205 feet 7 inches straight, 85 feet 8 inches circular and 2 large corners		1,011 73	
Gravel		237 52	
Cement		100 72	
Asphalt mixer		520 00	
Teaming		549 72	
Steam roller		67 50	
Crushed stone		3 70	
Pebbles		13 35	
Artificial stone walks, 1,542 square feet @ 21c.		323 82	
Blocks		279 00	
Labor, roadway excavating and grading		223 18	
Labor, stonecutter		3 50	
			$4,976 04

Halifax street, from South Huntington avenue to Pond View street. (Partly rough graded.)

Engineering		$13 23	
Engineering expense		15	
Teaming		76 50	
Labor, excavating roadway		357 49	
			$447 37

Harwood street, from Willowwood street to Lucerne street. Length, 725 linear feet. Area, 2,122 square yards. Concrete base, asphalt roadway, granite edgestone and artificial stone sidewalks constructed.

Engineering		$15 92	
Inspection		31 22	
Engineering expense		85	
Amount paid James Doherty, under contract:			
Removing trees, etc.	$10 00		
975 cubic yards earth excavation @ 40c.	390 00		
39 cubic yards water box excavation @ $1	39 00		
2 cubic yards rock excavation @ $5	10 00		
1,350 linear feet straight edgestone and corners hauled and set @ 18c.	243 00		
64 linear feet circular edgestone set @ 11c.	7 04		
34 linear feet existing edgestone reset @ 11c.	3 74		
15 square yards existing granite block paving relaid, gravel joints, @ 40c.	6 00		
6 square yards existing granite block paving relaid, grout joints, including concrete base, @ $1.20	7 20		
2,112 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.22	4,688 64		
Carried forward	$5,404 62	$47 99	

Brought forward	$5,404 62	$47 99	
9,190 square feet artificial stone sidewalks furnished and laid @ 10c. . . .	919 00		
68 square feet artificial stone driveways furnished and laid @ 11c. . . .	7 48		
9 covers reset @ $3 . .	27 00		
Extra work — Remove trees in front of Nos. 16 and 20:			
Removing trees . .	40 00		
	$6,398 10		
Less amount paid in 1916,	4,815 78		
		1,582 32	
			$1,630 31

Hillcrest street, from Elgin street to Temple street. Length, 525 linear feet. Area, 1,518 square yards. Concrete base laid, asphalt pavement, granite edgestone and artificial stone sidewalks constructed.

Engineering		$18 51	
Inspection		32 05	
Engineering expense		25	
		$50 81	
Credit: Blocks and edgestone		2 72	
		$48 09	
Amount paid Central Construction Company, under contract:			
Removing trees, bushes, etc.	$24 00		
834 cubic yards earth excavation @ 55c. . . .	458 70		
3 cubic yards water box excavation @ $2 . .	6 00		
5 cubic yards rock excavation @ $5 . . .	25 00		
907 linear feet straight edgestone and corners hauled and set @ 17c. . .	154 19		
24 linear feet circular edgestone set @ 15c. . .	3 60		
10 linear feet existing edgestone reset @ 12c. .	1 20		
1,517 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.58,	2,396 86		
6,038 square feet artificial stone sidewalks furnished and laid @ 11¾c. . .	709 47		
185 square feet artificial stone driveways furnished and laid @ 15c. . . .	27 75		
10 covers reset @ $3 . .	30 00		
Carried forward . . .	$3,836 77	$48 09	

Brought forward . . .	$3,836 77	$48 09	
Extra work — Regulate manhole cover over 6 inches:			
6 hours, mason, @ 75c. .	4 50		
6 hours, helper, @ 33½c. .	2 00		
Plus 15 per cent on $6.50,	98		
45 bricks @ $2 . . .	90		
1 bag cement @ 50c. . .	50		
Extra work — Remove edgestone already set and construct driveway:			
2 hours, edgestone setter, @ 75c.	1 50		
4 hours, edgestone setter, @ 81½c.	3 25		
2 hours, helper, @ 33½c. .	67		
8 hours, helper, @ 37½c. .	3 00		
Plus 15 per cent on $8.42,	1 26		
1 hour, double team, @ 75c.	75		
4 hours, double team, @ 87½c.	3 50		
	$3,859 58		
Less amount paid in 1916,	1,894 35		
		1,965 23	
			$2,013 32

Hill Top street, from Granite avenue to Hallet street. Length, 2,300 linear feet. Area, 9,975 square yards. Asphalt macadam roadway, new edgestone and crushed stone sidewalks constructed.

Engineering		$577 95
Inspection		510 39
Engineering expense		21 04
Edgestone, 3,539 feet straight, 139 feet 5½ inches circular and 2 special cut . .		2,754 04
Teaming		3 50
Asphalt, 28,501 gallons Bermudez . . .		5,129 10
		$8,996 02
Credit: Blocks		16 00
		$8,980 02
Amount paid to Martino De Matteo, under contract:		
2,835 cubic yards earth excavation @ 75c. . . .	$2,126 25	
80 cubic yards rock excavation @ $5 . . .	400 00	
4,000 cubic yards filling furnished @ $1 . . .	4,000 00	
3,450 linear feet straight edgestone and corners hauled and set @ 25c. .	862 50	
163 linear feet circular edgestone set @ 12c. . .	19 56	
575 linear feet existing edgestone reset @ 13c. .	71 75	
Carried forward . . .	$7,483 06	$8,980 02

Brought forward	$7,483 06	$8,980 02	
131 square yards existing granite block paving relaid @ 45c. . . .	58 95		
10,000 square yards bituminous macadam surface furnished and laid @ 80c.,	8,000 00		
3,500 square yards crushed stone sidewalks furnished and placed @ 52c.	1,820 00		
.4 covers reset @ $3 . .	12 00		
	$17,374 01		
Less amount paid in 1916	1,827 50		
	$15,546 51		
Amount retained . .	2,606 10		
		12,940 41	
			$ 1,920 43

Holden street, from Columbia road westerly. (Work not started.)

Engineering	$47 00	
Engineering expense	40	
		$47 40

Holton street, from Everett street to Antwerp street. (Work not started.)

Engineering	$70 00	
Engineering expense	40	
		$70 40

Homestead street, from Elm Hill avenue to Humboldt avenue. Length, 1,125 linear feet. Area, 3,255 square yards. Concrete base, asphalt pavement and artificial stone sidewalks constructed. (Unfinished work from 1916.)

Engineering		$117 22	
Inspection		181 17	
Engineering expense		11 08	
Advertising		4 48	
Labor, handling stock		2 64	
Chemists' wages		35 66	
		$352 25	
Credit: Edgestone		10 68	
		$341 57	
Amount paid to Central Construction Company, under contract:			
Removing trees, etc. .	$45 00		
1,430 cubic yards earth excavation @ 55c.	786 50		
21 cubic yards water box excavation @ $2 . .	42 00		
1 cubic yard rock excavation @ $5 . . .	5 00		
2,060 linear feet straight edgestone and corners hauled and set @ 18c. .	370 80		
Carried forward . . .	$1,249 30	$341 57	

Brought forward	$1,249 30	$341 57	
43 linear feet existing edgestone reset @ 10c. .	4 30		
3,250 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.60,	5,200 00		
12,890 square feet artificial stone sidewalks furnished and laid @ 12½c.	1,611 25		
488 square feet artificial stone driveways furnished and laid @ 14c. . .	68 32		
8 covers reset @ $3 . . .	24 00		
Extra work — Furnish and place crushed stone and concrete foundation for edgestone and connect same with catch-basins:			
79 hours, foreman, @ 75c. .	59 25		
871 hours' labor @ 35c. .	304 85		
24 hours, edgestone setter, @ 75c.	18 00		
64 hours, tender, @ 37½c. .	24 00		
Plus 15 per cent on $406.10	60 92		
113 hours, double team, @ 87½c.	98 88		
57½ tons crushed stone @ $1.80	103 50		
11 cubic yards stone dust @ $2.40 . . .	26 40		
50 bags cement @ 65c. .	32 50		
46 feet 6-inch pipe @ 45c. .	20 70		
1 6-inch ¼ bend . . .	1 80		
1 8-inch ¼ bend . . .	1 80		
1 6-inch Y	1 80		
1 20-inch by 6-inch Y .	12 00		
Extra work — Remove trees not shown to be taken down on plans where directed:			
45 hours, foreman, @ 62½c.,	28 13		
351 hours' labor @ 30c. .	105 30		
45 hours, water boy, @ 21¼c.	9 84		
Plus 15 per cent on $143.27	21 49		
27 hours, double team, @ 75c.	20 25		
4 hours, auto truck, @ $2.50	10 00		
	$9,118 58		
Less amount retained .	30 49		
	$9,088 09		
Less amount paid in 1916,	1,230 97		
		7,857 12	
			$8,198 69

Hubert street, from Shawmut avenue to Westminster street. Length, 455 linear feet. Area, 1,318 square yards. Edgestone was set, roadway paved with asphalt, existing brick sidewalks relaid, and artificial stone sidewalks constructed.

Engineering			$8 90
Inspection			42 00
Engineering expense			5 07
Chemists' wages			8 00
Amount paid to Central Construction Company, under contract:			
466 cubic yards earth excavation @ 55c.	$256 30		
149 linear feet straight edgestone and corners hauled and set @ 18c.	26 82		
38 linear feet circular edgestone set @ 11c.	4 18		
740 linear feet existing edgestone reset @ 10c.	74 00		
1,275 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.60,	2,040 00		
20 square yards existing brick sidewalks relaid @ 30c.,	6 00		
4,705 square feet artificial stone sidewalks furnished and laid @ 12½c.	588 13		
7 covers reset @ $3	21 00		
Extra work — Regulate catch-basins over 6 inches:			
19 hours, mason, @ 70c.	13 30		
38 hours, tender, @ 30c.	11 40		
Plus 15 per cent on $24.70,	3 71		
10 bags cement @ 50c.	5 00		
Extra work — Remove trees in sidewalk:			
6 days, foreman, @ $5	30 00		
171 hours, rigger, @ 50c.	85 50		
123 hours, helper, @ 45c.	55 35		
133 hours' labor @ 33⅓c.	44 33		
Plus 15 per cent on $215.18	32 28		
1½ days, double team, @ $6	8 00		
1 day, auto truck, @ $20	20 00		
	$3,325 30		
Less amount retained	30 49		
	$3,294 81		
Less amount paid in 1916,	2,546 12		
		748 69	
			$812 66

Hunnewell avenue, from Champney street to Atkins street, 400 feet edgestone set. (Work unfinished.)

Engineering		$79 00
Engineering expense		3 73
Carried forward		$82 73

Brought forward	$82 73	
Advertising	3 88	
Labor, edgestone excavation	566 33	
Labor, edgestone setting	79 75	
Labor, roadway excavation	24 00	
Labor, blacksmith	48 00	
Labor, cleaning street	23 25	
Teaming	74 37	
Edgestone, 6 small corners	19 20	
		$921 51

Irma street, from Woodrow avenue to Callender street. (Work not started.)

Engineering	$43 89	
Engineering expense	35	
		$44 24

Jones Avenue footbridge, from Ballou avenue to Norfolk street. Built approaches, foundations and superstructure to the footbridge.

Engineering		$1,168 94	
Inspection		487 98	
Advertising		9 00	
Printing		40 87	
Lumber		5 50	
Amount paid to Goff & Wells Construction Company, under contract:			
Contract price	$8,100 00		
Extra work as ordered — Removing tree and rock, oiling floor and pointing end of plank	131 00		
		8,231 00	
			$9,943 29

Justin road, from Bigelow street to Atkins street. (Work not started.)

Engineering	$35 00	
Engineering expense	35	
		$35 35

Kenton road, from Washington street, 800 feet easterly. (Work not started.)

Edgestone, 1,535 straight	$1,105 20	
Teaming	39 00	
		$1,144 20

Langley road, from Breck avenue to 571 feet easterly. Length, 574 linear feet. Area, 1,664 square yards. Edgestone set (one side on crushed stone and concrete foundation), bituminous macadam roadway and artificial stone sidewalks constructed. Uncompleted.

Engineering	$110 87	
Inspection	134 93	
Engineering expense	4 55	
Labor, handling stock	16 17	
Edgestone, 1,079 feet 2½ inches straight	777 03	
Carried forward	$1,043 55	

Brought forward		$1,043 55	
Amount paid M. DeMatteo, under contract:			
500 cubic yards earth excavation @ 75c. . . .	$375 00		
1,100 linear feet straight edgestone and corners hauled and set @ 25c.,	275 00		
27 linear feet circular edgestone set @ 12c. . .	3 24		
570 linear feet crushed stone and concrete foundation furnished and placed @ 14c.	79 80		
6,700 square feet artificial stone sidewalks furnished and laid @ 14c. . . .	938 00		
	$1,671 04		
Less 15 per cent retained,	250 66		
		1,420 38	
			$2,463 93

Levant street, from Geneva avenue to Topliff street. (Work not started.)

Engineering	$15 10

Lithgow street, from Talbot avenue to Wainwright street. Length, 682 linear feet. Area, 2,036 square yards. Concrete base, asphalt roadway and artificial stone sidewalks constructed.

Engineering		$99 92
Inspection		91 25
Engineering expense		6 63
Labor, making templets		9 81
Chemists' wages		3 59
Teaming		11 75
Edgestone		72 99
Lumber		5 08
		$301 02
Credit: Bricks and blocks		44 00
		$257 02
Amount paid to Central Construction Company, under contract:		
900 cubic yards earth excavation @ 55c. . . .	$495 00	
1 cubic yard rock excavation @ $5 . . .	5 00	
906 linear feet straight edgestone and corners hauled and set @ 18c.,	163 08	
59 linear feet circular edgestone set @ 11c. . .	6 49	
379 linear feet existing edgestone reset @ 10c. .	37 90	
13 square yards existing granite block paving relaid, gravel joints, @ 40c.	5 20	
Carried forward . . .	$712 67	$257 02

Brought forward . . .	$712 67	$257 02	
2,072 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.60,	3,315 20		
8,498 square feet artificial stone sidewalks furnished and laid @ 12½c. . . .	1,062 25		
127 square feet artificial stone driveways furnished and laid @ 14c. . . .	17 78		
	$5,107 90		
Less amount retained .	30 49		
	$5,077 41		
Less amount paid in 1916,	397 29		
		4,680 12	
			$4,937 14

Lorette street, from Centre street to Hillcrest street. Length, 504 linear feet. Area, 1,456 square yards. Concrete base laid, edgestone set, asphalt roadway and artificial stone sidewalks constructed.

Engineering		$31 01	
Inspection		5 40	
Chemists' wages		8 00	
		$43 51	
Credit: Edgestone blocks		10 64	
		$32 87	
Amount paid Central Construction Company, under contract:			
792 cubic yards earth excavation @ 55c. . . .	$435 60		
1 cubic yard rock excavation @ $5 . . .	5 00		
957 linear feet straight edgestone and corners hauled and set @ 17c.,	162 69		
41 linear feet circular edgestone set @ 15c. . .	6 15		
12 linear feet existing edgestone reset @ 12c. .	1 44		
4 square yards existing granite block paving relaid, grout joints, including concrete base, @ $1.25 . . .	5 00		
1,457 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.58,	2,302 06		
6,270 square feet artificial stone sidewalks furnished and laid @ 11¾c. . .	736 73		
Carried forward . . .	$3,654 67	$32 87	

Brought forward	$3,654 67	$32 87	
56 square feet artificial stone driveways furnished and laid @ 15c.	8 40		
4 covers reset @ $3	12 00		
Extra work — Remove four (4) trees not shown on plans to be removed:			
3½ days, foreman, @ $5	17 50		
12⅝ days' labor @ $2.40	29 70		
Plus 15 per cent on $47.20,	7 08		
½ day, double team, @ $6,	4 50		
Extra work — Remove edgestone already set and construct driveway:			
2 hours, edgestone setter, @ 81½c.	1 63		
4 hours' labor @ 33⅓c.	1 33		
2 hours' labor @ 37½c.	75		
Plus 15 per cent on $3.71,	56		
2 hours, double team, @ 75c.	1 50		
1 hour, double team, @ 87½c.	88		
	$3,740 50		
Less amount paid in 1916,	2,954 56		
		785 94	
			$818 81

Lorne street, from Harvard street to 650 feet northerly. Length, 650 linear feet. Area, 2,261 square yards. Edgestone set, gutters repaved, roadway paved with asphalt and artificial stone sidewalks constructed.

Engineering		$143 24	
Inspection		181 25	
Engineering expense		9 22	
Labor, handling stock		19 15	
Chemists' wages		2 00	
Edgestone, 1,296 feet straight and 97 feet circular		1,055 88	
Amount paid Central Construction Company, under contract:			
1,000 cubic yards earth excavation @ 74c.	$740 00		
90 cubic yards rock excavation @ $6	540 00		
1,253 linear feet straight edgestone and corners hauled and set @ 23c.	288 19		
99 linear feet circular edgestone set @ 15c.	14 85		
23 linear feet existing edgestone reset @ 15c.	3 45		
1,880 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.05	3,854 00		
Carried forward	$5,440 49	$1,410 74	

Brought forward	$5,440 49	$1,410 74	
8,310 square feet artificial stone sidewalks furnished and laid @ 14¼c. . . .	1,225 73		
Extra work	1,159 01		
	7,825 23		
Less amount retained .	108 95		
Amount paid		7,716 28	
			$9,127 02

Malverna road, from Metropolitan avenue to Ethel street. (Work not started.)

Engineering	$56 73	
Engineering expense	40	
Advertising	3 88	
		$61 01

Mascot street, from Mountain avenue to Norfolk street. (Work not started.)

Engineering	$99 74	
Engineering expense	70	
		$100 44

Matchett street, from Washington street to 843 feet northerly. Length, 852 linear feet. Area, 2,536 square yards. Granite block gutters and brows laid on 4-inch concrete base, cement grout joints, sheet asphalt pavement laid on 4-inch concrete base.

Engineering		$153 57	
Inspection		64 41	
Engineering expense		1 00	
Chemists' wages		23 80	
Amount paid Central Construction Company, under contract:			
300 cubic yards earth excavation @ 74c. . . .	$222 00		
1,960 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.05 . .	4,018 00		
Extra work — Omit the furnishing and laying of brick block gutters, etc.:			
450 square yards concrete base and second-hand granite block gutters furnished and laid @ $2 . .	900 00		
		5,140 00	
			$5,382 78

Middleton street, extended to Theodore street. (Work not started.)

Engineering	$43 29	
Engineering expense	40	
		$43 69

Minton street, from Amory street to Brookside avenue. (Work not started.)

Engineering	$45 06	
Engineering expense	10	
Advertising	6 91	
		$52 07

Moraine street; from South Huntington avenue to Jamaicaway. (Work not started.)

Engineering	$42 94	
Engineering expense	85	
Teaming	59 10	
Labor, roadway excavating	391 64	
		$494 53

Moreland street, from Dennis street to Brook avenue. (Work not started.)

Engineering	$32 10	
Engineering expense	80	
Advertising	4 48	
		$37 38

Morton street, from Norfolk street to Midland Division Railroad Bridge. Length, 466 linear feet. Filling furnished. (Work started in 1916.)

Labor, engineering		$16 95	
Engineering expense		1 80	
Labor, edgestone excavating		22 04	
Labor, edgestone resetting		12 55	
Labor, crushed stone sidewalks		16 50	
Labor, building fence and plank walk		130 47	
Labor, handling stock		45	
Labor, roadway excavating		9 67	
Cement		1 49	
Edgestone		33 40	
Gravel		9 41	
Blocks		11 25	
Lumber		118 10	
Paint		13 20	
Socony binder, 750 gallons		75 00	
Nails		12 95	
Crushed stone		9 71	
Bricks		42	
Teaming		232 25	
Hardware		7 96	
Amount paid to William J. Barry, under contract:			
1,733 cubic yards filling furnished @ 69c.	$1,195 77		
Less amount paid in 1916,	902 04		
		293 73	
Amount paid to William J. Rafferty & Co., under contract:			
Final payment for work done under contract in 1916		244 54	
Amount paid to John Cashman:			
Furnishing and building two sidewalks on bridge		325 00	
Amount paid to William J. Rafferty & Co.:			
Building concrete abutments		50 00	
			$1,648 84

Mt. Ida road, from Marie street to Ronan park. Length, 254 linear feet. Area, 734 square yards. Artificial stone sidewalks constructed. Roadway graded and edgestone set. (Unfinished work from 1916.)

Engineering		$26 64	
Inspection		39 90	
Engineering expense		2 40	
Advertising		2 65	
Labor, roadway excavating and grading		2,240 79	
Labor, edgestone excavating		109 05	
Labor, edgestone setting		114 75	
Labor, moving shanty		17 00	
Labor, handling stock		3 82	
Teaming, edgestone		50 51	
Teaming		1,372 67	
Steam roller		94 50	
Edgestone		186 42	
Gravel		18 75	
Asphalt, 2,106 gallons Bermudez		379 08	
Crushed stone		369 48	
Blocks		3 00	
Cement		59	
Lumber		56	
Amount paid to Michael D. Russo & Co., under contract:			
3,445 square feet artificial stone sidewalks furnished and laid @ 19½c.	$671 78		
Extra work — Excavate and remove earth above curb grade:			
38 cubic yards earth excavation @ $1	38 00		
Extra work — Cut concrete foundation at Ronan Park:			
3½ hours, foreman, @ 75c.	2 63		
21 hours' labor @ 40c.	8 40		
Plus 15 per cent on $11.03,	1 65		
		722 46	
			$5,755 02

Mt. Ida road, from Robinson street to 254 feet south of Marie street. Rough graded. (Work unfinished.)

Engineering	$33 54	
Inspection	23 66	
Labor, roadway excavating and filling	767 23	
Teaming	311 50	
		$1,135 93

Museum road, from Huntington avenue to Fenway. Length, 628 linear feet. Area, 2,397 square yards. Edgestone set, gutters repaved and roadway paved with Topeka. (Unfinished.)

Engineering	$146 13
Inspection	82 51
Engineering expense	4 25
Advertising	6 91
Chemists' wages	2 00
Labor, handling stock	10
Blocks	177 00
Carried forward	$418 90

Brought forward		$418 90	
Edgestone, 600 feet straight, 50 feet circular and 2 small corners		501 60	
Amount paid Warren Brothers Company, under contract:			
400 cubic yards earth excavation @ $1.25	$500 00		
590 linear feet straight edgestone and corners hauled and set @ 30c.	177 00		
50 linear feet circular edgestone set @ 25c.	12 50		
620 linear feet existing edgestone reset @ 22c.	136 40		
17 square yards existing granite block paving relaid, gravel joints, @ $1	17 00		
276 square yards granite block paving hauled and laid, grout joints, @ $2.30	634 80		
74 square yards existing granite block paving relaid, concrete base, grout joints, @ $2	148 00		
1,200 square yards concrete base and Topeka wearing surface furnished and laid @ $1.99	2,388 00		
	$4,013 70		
Less 15 per cent retained,	602 06		
		3,411 64	
			$4,332 14
Mixer (Bituminous) Plant.—Cube mixer, boiler, engines and rotary heater			$3,750 00

Neptune road, from Bennington street to Boston, Revere Beach & Lynn Railroad. Length, 1,718 linear feet. Area, 8,476 square yards. Edgestone set, gutters repaved, roadway paved with asphalt, existing brick sidewalks relaid and artificial stone sidewalks constructed. (Unfinished.)

Engineering		$759 85	
Inspection		514 43	
Engineering expense		18 90	
Labor, handling stock		1 32	
Bricks		7 50	
Edgestone, 2,363 feet straight and 775 feet circular		2,674 25	
		$3,976 25	
Credit: Blocks		8 22	
		$3,968 03	
Paid to Central Construction Company, under contract:			
2,900 cubic yards earth excavation @ 74c.	$2,146 00		
Carried forward	$2,146 00	$3,968 03	

Brought forward	$2,146 00	$3,968 03	
2,336 linear feet straight edgestone and corners hauled and placed @ 23c.	537 28		
779 linear feet circular edgestone set @ 15c.	116 85		
900 linear feet existing edgestone reset @ 15c.	135 00		
13 square yards existing granite block paving relaid, grout joints, including concrete base, @ $1.50	19 50		
50 square yards existing flagging crosswalks relaid, grout joints, including concrete base, @ $1.40	70 00		
8,400 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid (unfinished) @ $1.25	10,500 00		
15 square yards existing brick sidewalks relaid @ 30c.	4 50		
31,000 square feet artificial stone sidewalks furnished and laid @ 14¾c.	4,572 50		
5,000 square yards loam spaces furnished, spaced and seeded, @ 60c.	3,000 00		
Extra work — Omit furnishing and laying of brick block gutters, etc.:			
810 square yards concrete base and second-hand granite block gutters furnished and laid @ $2	1,620 00		
		22,721 63	
			$26,689 66

Nevada street, from Wilmington avenue to Fairmount street. (Work not started.)

Engineering	$71 61	
Engineering expense	40	
Advertising	8 83	
		$80 84

Normandy street, from Intervale street to Devon street. (Work done in 1916.)

Engineering	$12 53	
Chemists' wages	9 00	
Amount paid Central Construction Company, part of amount retained from 1916	440 41	
		$461 94

North Beacon street, from Cambridge street to Market street. Length, 3,260 linear feet. Area, 14,500 square yards. Existing edgestone reset. (Work unfinished.)

Engineering		$490 73	
Inspection		104 11	
Engineering expense		5 25	
Advertising		7 28	
Labor, handling stock		17 57	
Labor, relaying crosswalks		6 00	
Chemists' wages		11 33	
Edgestone, 1,172 feet straight		843 78	
Amount paid to Coleman Brothers Company, under contract:			
1,100 linear feet existing edgestone reset @ 20c.	$220 00		
Less 15 per cent retained,	33 00		
		187 00	
			$1,673 05

Norwood street, extended to Conley street. (Work not started.)

Engineering	$5 00

Orchardfield street, from Dorchester avenue to Freeport street. Length, 814 linear feet. Area, 1,266 square yards. Gutters were relaid, edgestone reset, roadway paved with asphalt, brick sidewalks relaid, and artificial stone sidewalks and driveways constructed.

Engineering		$16 75	
Inspection		9 43	
Engineering expense		75	
Chemists' wages		9 00	
Amount paid to Central Construction Company, under contract:			
653 cubic yards earth excavation @ 55c.	$359 15		
31 cubic yards water-box excavation @ $2	62 00		
1,507 linear feet straight edgestone hauled and set @ 18c.	271 26		
37 linear feet circular edgestone set @ 11c.	4 07		
50 linear feet existing edgestone reset @ 10c.	5 00		
1,270 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ 1.60	2,032 00		
3,675 square feet artificial stone sidewalks furnished and laid @ 12½c.	459 38		
97 square feet artificial stone driveways furnished and laid @ 14c.	13 58		
4 covers reset @ $3	12 00		
Carried forward	$3,218 44	$35 93	

Brought forward	$3,218 44	$35 93	
Less amount retained	30 49		
	$3,187 95		
Less amount paid in 1916,	2,241 93		
		946 02	
			$981 95

Overland street, from Brookline avenue to Boston & Albany Railroad, Length, 399 linear feet. Area, 1,687 square yards. Edgestone set. artificial stone sidewalks constructed and the concrete base laid. (Work unfinished.)

Engineering		$116 25	
Inspection		77 68	
Engineering expense		4 70	
Advertising		4 40	
Labor, handling stock		65	
Labor, making templets		12 00	
Labor, grading		61 00	
Teaming		55 00	
Lumber		6 36	
Edgestone, 13 small corners		47 45	
Steam roller		13 50	
Amount paid to James J. Coughlan Company, under contract:			
300 cubic yards earth excavation @ $1.25	$375 00		
676 linear feet straight edgestone furnished and set @ $1.25	845 00		
42 linear feet corners furnished and set @ $2	84 00		
36 linear feet existing edgestone reset @ 28c.	10 08		
209 square yards granite block paving furnished and laid, including concrete base, grout joints, @ $4.25	888 25		
1,517 square yards granite block paving furnished and laid, including concrete base, grout joints (unfinished), @ $1.25	1,896 25		
3,746 square feet artificial stone sidewalks furnished and laid @ 28c.	1,048 88		
324 square feet artificial stone driveways furnished and laid @ 35c.	113 40		
	$5,260 86		
Less 13 corners furnished and delivered by city @ $4	52 00		
	$5,208 86		
Less 15 per cent retained,	781 33		
		4,427 53	
			$4,826 52

Parkland street, from Winship street to Academy Hill road. Length, 466 linear feet. Area, 673 square yards. Artificial stone sidewalks, 2,648 square feet. The street was subgraded and edgestones were set and the roadway was paved with asphalt and granite block gutters on 4 inches of concrete base. Artificial stone sidewalks were furnished and laid.

Engineering		$125 64	
Inspection		73 20	
Engineering expense		2 15	
Advertising		2 80	
Labor, making templets		3 00	
Labor, handling stock		7 58	
Teaming		63 70	
Lumber		1 60	
Blocks		64 00	
Edgestone		884 83	
Amount paid to Coleman Brothers, under contract:			
449 cubic yards earth excavation @ 90c.	$404 10		
847 linear feet straight edgestone and corners hauled and set @ 25c.	211 75		
25 linear feet circular edgestone set @ 25c.	6 25		
62 linear feet existing edgestone reset @ 20c.	12 40		
75 cubic yards concrete base furnished and laid @ $6,	450 00		
149 cubic yards granite block paving hauled and laid, grout joints, @ $1.60	238 40		
524 cubic yards bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.59	833 16		
2,595 square feet artificial stone sidewalks furnished and laid @ 16c.	415 20		
53 square feet artificial stone driveways furnished and laid @ 20c.	10 60		
4 covers reset @ $3	12 00		
	$2,593 86		
Less 15 per cent retained,	389 08		
		2,204 78	
			$3,433 28

Parkton road, from Perkins street to Perkins street. Length, 1,169 linear feet. Area, 2,990 square yards. Artificial stone sidewalks constructed. (Unfinished work from 1916.)

Engineering	$35 17	
Inspection	43 82	
Engineering expense	80	
Advertising	2 65	
Labor, laying concrete and mixing	1,181 40	
Labor, gutter relaying	149 77	
Lime, hydrated, 5,520 pounds	36 40	
Carried forward	$1,450 01	

Brought forward		$1,450 01	
Cement, 460 barrels		980 97	
Sand		173 80	
Gravel		2 67	
Rent of concrete mixer		350 00	
Teaming		71 05	
Crushed stone, 389 tons		470 26	
Blocks		4 81	
Tar paper		9 89	
Expansion joints		21 60	
Amount paid to Charles J. Jacobs Company, under contract:			
11,328 square feet artificial stone sidewalks furnished and laid @ 16c.	$1,812 48		
Extra work — Remove extra depth of concrete where directed under existing artificial sidewalks:			
3½ hours, foreman, @ 75c.	2 63		
19½ hours' labor @ 35c.	6 83		
Plus 15 per cent on $9.46,	1 42		
Extra work — Remove boulder from sidewalk:			
1 cubic yard rock excavation @ $10	10 00		
		1,833 36	
			$5,368 42

Parkvale street, from Brighton avenue to Glenville avenue. (Work not started.)

Engineering		$57 17	
Engineering expense		90	
Advertising		3 88	
			$61 95

Patten street, from Hyde Park avenue to Bourne street. Length, 1,192 linear feet. Area, 3,266 square yards. Gutters were relaid, edgestone reset, granite block paving and flagging crosswalks relaid, roadway paved with bituminous macadam, brick sidewalks relaid and artificial stone sidewalks furnished and laid.

Engineering		$330 40	
Inspection		322 54	
Engineering expense		15 83	
Labor, handling stock		24 93	
Edgestone, 1,658 feet straight, 449 feet circular, 2 small corners and 4 guttermouths		1,809 17	
Asphalt, 9,775 gallons Bermudez		1,759 50	
		$4,262 37	
Credit: Bricks, $18.90	$18 90		
Blocks, $3	3 00		
		21 90	
		$4,240 47	
Amount paid to Martino DeMatteo, under contract:			
1,512 cubic yards earth excavation @ 75c.	$1,134 00		
Carried forward	$1,134 00	$4,240 47	

Brought forward	$1,134 00	$4,240 47	
12 cubic yards water box excavation @ $5 .	60 00		
40 cubic yards rock excavation @ $5 . . .	200 00		
1,656 linear feet straight edgestone and corners hauled and set @ 25c.,	414 00		
467 linear feet circular edgestone set @ 12c. . .	56 04		
291 linear feet existing edgestone reset @ 13c. .	37 83		
15 square yards existing granite block paving relaid @ 45c. . . .	6 75		
18 square yards existing flagging crosswalks relaid @ 45c. . . .	8 10		
3,622 square yards bituminous macadam furnished and placed @ 80c. .	2,897 60		
8 square yards existing brick sidewalks relaid @ 40c.	3 20		
17,675 square feet artificial stone sidewalks furnished and laid @ 14c. . .	2,474 50		
71 square feet artificial stone driveways furnished and laid @ 20c. . .	14 20		
18 covers reset @ $3 . .	54 00		
Extra work — Reset covers over 6 inches:			
3 covers reset @ $5 . .	15 00		
Extra work — Remove guttermouth stones:			
13 hours' labor @ 35c. .	4 55		
Plus 15 per cent on $4.55,	68		
Extra work — Cut circular edgestone to make closures:			
3 hours, edgestone setter, @ 62½c. . . .	1 88		
6 hours' labor @ 37½c. .	2 25		
Plus 15 per cent on $4.13,	62		
	$7,385 20		
Less 15 per cent retained,	1,107 78		
		6,277 42	
			$10,517 89

Peabody street, from Brookline avenue to Binney street, 222 feet edgestone set. (Work unfinished.)

Engineering	$52 03
Engineering expense	1 05
Labor, edgestone excavating	176 00
Labor, edgestone setting	107 50
Labor, gutter excavating	52 50
Labor, roadway excavating	83 50
Carried forward	$472 58

Brought forward	$472 58	
Teaming	45 30	
Gravel	5 77	
Edgestone, 12 feet 8 inches straight and 1 small corner	10 92	
		$534 57

Perham street, from Vermont street to New York, New Haven & Hartford Railroad. Length, 2,616 linear feet. Area, 7,565 square yards. Edgestone was set, granite block gutters and brows were laid on a 4-inch concrete base with cement grout joints; sheet asphalt pavement was laid on a 4-inch concrete base and artificial stone sidewalks were laid.

Engineering	$473 56	
Inspection	262 67	
Engineering expense	12 00	
Chemists' wages	12 21	
Labor, handling stock	65 89	
Edgestone, 5,363 feet straight, 74 feet 4 inches circular, 38 small corners and 6 special cut pieces	4,208 10	
Amount paid Central Construction Company, under contract:		
4,200 cubic yards earth excavation @ 74c.	$3,108 00	
52 cubic yards rock excavation @ $6	300 00	
5,100 linear feet straight edgestone and corners hauled and set @ 23c.,	1,173 00	
100 linear feet circular edgestone set @ 15c.	15 00	
6,220 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.05	12,751 00	
22,200 square feet artificial stone sidewalks furnished and laid @ 14½c.	3,274 50	
1,000 square feet artificial stone driveways furnished and laid @ 14½c.	147 50	
Extra work — Omit artificial stone sidewalks where directed and substitute loam spaces:		
350 square yards loam space furnished, placed and seeded @ 60c.	210 00	
Extra work — Furnish and place additional framing for artificial stone sidewalks on account of loam space:		
22,200 square feet additional framing @ 2½c.	499 50	
Carried forward	$21,478 50	$5,034 43

Brought forward	$21,478 50	$5,034 43	
Extra work — Omit furnishing and laying brick block gutters, etc.:			
1,440 square yards concrete base and second-hand granite block gutters, furnished and laid @ $2	2,880 00		
		24,358 50	
			$29,392 93

Perthshire road, from Bigelow street to Matchett street. (Work not started.)

Engineering	$53 00	
Engineering expense	35	
Advertising	3 88	
		$57 23

Pontiac street, from Tremont street to Hillside street. Length, 934 linear feet. Area, 2,698 square yards. Earth and rock excavated. (Work unfinished.)

Engineering		$370 34	
Inspection		304 16	
Engineering expense		5 80	
Advertising		9 90	
Amount paid J. C. Coleman & Sons Company, under contract:			
100 cubic yards earth excavation @ 90c.	$90 00		
600 cubic yards rock excavation @ $2.50	1,500 00		
Building retaining wall (unfinished)	3,000 00		
	$4,590 00		
Less 15 per cent retained	688 50		
		3,901 50	
			$4,591 70

Public Alley No. 818, from St. Stephen street to Public Alley No. 819. (Work not started.)

Engineering	$24 00	
Engineering expense	50	
		$24 50

Public Alley No. 819, from Westland avenue to Batavia street. (Work not started.)

Engineering	$8 00	
Engineering expense	20	
		$8 20

Public Alley No. 820, from Huntington avenue to St. Botolph street. (Work not started.)

Engineering	$16 00	
Engineering expense	2 43	
		$18 43

Public Alley No. 821, from Gainsborough street to Public Alley No. 820.

Engineering	$26 00	
Engineering expense	2 92	
		$28 92

Radford lane, from Carruth street to west side of Bushnell street. Four hundred cubic yards roadway excavated and 497 feet edgestone set. (Work unfinished.)

Engineering	$98 92	
Inspection	5 00	
Engineering expense	4 73	
Advertising	3 88	
Labor, handling stock	1 36	
Labor, edgestone excavation	183 78	
Labor, edgestone setting	383 74	
Labor, roadway excavation	886 03	
Labor, gutter paving	22 08	
Cement	15 40	
Lumber	2 11	
Crushed stone	16 28	
Asphalt mixer, hire of	520 00	
Teaming	315 54	
Edgestone, 416 feet straight, 3 small corners,	304 95	
		$2,763 80

Redfield street, from Port Norfolk street to Walnut street. (Work done in 1915.)

Engineering	$4 50	
Engineering expense	15	
		$4 65

Redlands road, from Centre street to Abbott street. (Work not started.)

Engineering	$18 60

Ralston street, from Dorchester avenue to Old Colony avenue. Length, 1,127 linear feet. Area, 3.256 square yards. Edgestone set, gutters repaved and crushed stone sidewalks constructed. (Work unfinished.)

Engineering			$355 37
Inspection			379 90
Engineering expense			8 30
Advertising			13 28
Lumber			2 67
Blocks			18 00
Labor, making stakes			3 50
Labor, handling stock			31 25
Flagging			22 03
Edgestone, 2,029 feet straight, 2 special cut and 92 feet circular			1,598 40
Amount paid to William J. Rafferty Company, under contract:			
1,000 cubic yards earth excavation @ $1	$1,000 00		
2,050 linear feet straight edgestone and corners hauled and set @ 17c.	348 50		
100 linear feet circular edgestone set @ 17c.	17 00		
Carried forward	$1,365 50		$2,432 70

Brought forward	$1,365 50	$2,432 70	
70 linear feet existing edgestone reset @ 17c.	11 90		
19 square yards granite block paving hauled and laid, gravel joints, @ 85c.	16 15		
98 square yards existing granite block paving relaid, gravel joints, @ 75c.	73 50		
62 square yards existing brick sidewalks relaid @ 50c.,	31 00		
1,360 square yards crushed stone sidewalks furnished and placed @ 65c.	884 00		
12 covers reset @ $3	36 00		
Extra work — Construct concrete retaining wall on northerly side of Ralston street, near Dorchester avenue	115 00		
Extra work — Construct concrete retaining wall on southerly side of Ralston street, near Dorchester avenue	90 00		
	$2,623 05		
Less 15 per cent retained,	393 46		
		2,229 59	
Amount paid to Frank J. Hannon, under contract:			
9,655 cubic yards filling furnished @ 30c.	$2,896 50		
		2,896 50	
			$7,558 79

Randall street, from Harrison avenue to Albany street. (Work done in 1916.) Final payment in 1917.

Engineering	$4 52	
Engineering expense	50	
Hire of concrete mixer	55 25	
Amount paid to Central Construction Company:		
Final payment under contract	483 58	
		$543 85

Richwood street, from Centre street to Montview street. Length, 1,267 linear feet. Area, 3,548 square yards. Edgestone was set and reset, granite block gutters and brows were laid on 4-inch concrete base, cement grout joints. Topeka pavement (except seal coat) was laid on 4-inch concrete base and artificial stone sidewalks were constructed with loam spaces.

Engineering	$356 61	
Inspection	295 39	
Engineering expense	7 80	
Chemists' wages	6 96	
Labor, handling stock	67 94	
Edgestone, 2,315 feet straight, 91 feet 3 inches circular, 15 small corners and 2 special cut pieces	1,857 93	
Carried forward	$2,592 63	

Brought forward		$2,592 63	
Amount paid to Central Construction Company, under contract:			
1,600 cubic yards earth excavation @ 74c. . . .	$1,184 00		
2,349 linear feet straight edgestone and corners hauled and set @ 23c.,	540 27		
79 linear feet circular edgestone set @ 15c. . .	11 85		
36 linear feet existing edgestone reset @ 15c. .	5 40		
11,600 square feet artificial stone sidewalks furnished and laid @ 14¾c. . .	1,711 00		
560 square feet artificial stone driveways furnished and laid @ 14¾c.. .	82 60		
550 square yards loam spaces furnished, placed and seeded @ 60c. . .	330 00		
Extra work — Omit furnishing and laying of brick block gutters, etc.:			
690 square yards concrete base and second-hand granite block paving furnished and laid @ $2	1,380 00		
Extra work — Omit sheet asphalt and substitute Topeka pavement:			
2,740 square yards concrete base and Topeka pavement furnished and laid @ $2.05 . .	5,617 00		
		10,862 12	
			$13,454 75

Ripley road, from Vassar street to Harvard street. Length, 685 linear feet. Area, 1,982 square yards. Edgestone was set, granite block paving relaid, flagging crosswalks laid, roadway paved with asphalt, and artificial stone sidewalks constructed.

Engineering		$81 58	
Inspection		7 33	
Engineering expense		2 55	
Chemists' wages		9 00	
Labor		1 50	
Amount paid to Central Construction Company, under contract:			
1,100 cubic yards earth excavation @ 55c. . . .	$605 00		
11 cubic yards rock excavation @ $5	55 00		
1,065 linear feet straight edgestone hauled and set @ 18c.	191 70		
Carried forward . . .	$851 70	$101 96	

Brought forward . . .	$851 70	$101 96	
268 linear feet circular edgestone set @ 11c. . .	29 48		
86 linear feet existing edgestone reset @ 10c. .	8 60		
18 square yards existing granite block paving relaid, grout joints, including concrete base, @ $1.25 .	22 50		
21 square yards flagging crosswalks hauled and laid, grout joints, including concrete base, @ $1.50	31 50		
4 square yards existing flagging crosswalks relaid, grout joints, including concrete base, @ $1.20,	4 80		
1,946 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.60	3,113 60		
7,300 square feet artificial stone sidewalks furnished and laid @ 12½c. . . .	912 50		
6 covers reset @ $3 . .	18 00		
Extra work — Rebuild catch-basins at corner of Vassar street:			
4 hours, mason, @ 70c. .	2 80		
8 hours' labor @ 30c. . .	2 40		
Plus 15 per cent on $5.20 .	78		
2 bags cement @ 50c. . .	1 00		
5 cubic feet sand @ 5c. .	25		
35 bricks @ 1½c. . . .	53		
Extra work — Regrade edgestone trench, sidewalks and roadway to conform with new line of street:			
16 hours, foreman, @ 62½c. .	10 00		
184 hours' labor @ 30c. . .	55 20		
Plus 15 per cent on $65.20,	9 78		
24 hours, double team, @ 75c.	18 00		
	$5,093 43		
Less amount retained .	30 49		
	$5,062 94		
Less amount paid in 1916,	3,182 40		
		1,880 54	
			$1,982 50

Rowell street, from Hancock street to Cushing avenue. Length, 587 linear feet. Area, 1,700 square yards. Asphalt macadam roadway constructed, edgestone set and artificial stone sidewalks constructed.

Engineering	$134 72	
Inspection	90 47	
Carried forward	$225 19	

Brought forward		$225 19	
Engineering expense		6 80	
Advertising		4 48	
Asphalt, 4,070 gallons Bermudez		732 60	
Edgestone, 322 feet 4 inches circular		411 39	
Amount paid to M. DeMatteo, under contract:			
250 cubic yards earth excavation @ 75c.	$187 50		
8 cubic yards water box excavation @ $5	40 00		
300 linear feet circular edgestone set @ 12c	36 00		
1,930 square yards bituminous macadam surface furnished and placed @ 80c.	1,544 00		
2,000 square feet artificial stone sidewalks furnished and laid @ 14c.	280 00		
37 linear feet artificial stone curbing furnished and placed @ $1	37 00		
4 covers reset @ $3	12 00		
	$2,136 50		
Less 15 per cent retained,	320 48		
		1,816 02	
			$3,196 48

Rugby road, Randolph road to Auckland street. Length, 552 linear feet. Area, 1,640 square yards. Edgestone was set, granite block gutters and brows were laid on a 4-inch concrete base with cement grout joints, sheet asphalt pavement was laid on 4-inch concrete base and artificial stone sidewalks were laid.

Engineering		$140 32	
Inspection		175 23	
Engineering expense		10 62	
Labor, handling stock		15 67	
Labor, stonecutter		.38 50	
Chemists' wages		13 57	
Edgestone, 978 feet 9 inches straight, 14 small corners, 41 feet 6 inches circular and 4 special cut pieces		844 59	
Amount paid Central Construction Company, under contract:			
800 cubic yards earth excavation @ 74c.	$592 00		
60 cubic yards rock excavation @ $6	360 00		
1,020 linear feet straight edgestone and corners hauled and set @ 23c.	234 60		
36 linear feet circular edgestone set @ 15c.	5 40		
1,215 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.05,	2,490 75		
Carried forward	$3,682 75	$1,238 50	

Brought forward	$3,682 75	$1,238 50	
6,600 square feet artificial stone sidewalks furnished and laid @ 14¾c. . . .	973 50		
150 square feet artificial stone driveways furnished and laid @ 14¾c. . .	22 13		
Extra work—Omit furnishing and laying of brick block gutters, etc.:			
280 square yards concrete base and second-hand granite block gutters furnished and laid @ $2 .	560 00		
		5,238 38	
			$6,476 88

St. Albans road, from Francis street to Huntington avenue. Length, 632 linear feet. Area, 2,387 square yards. Artificial stone sidewalks constructed. Asphalt macadam roadway constructed. (Unfinished work from 1916.)

Engineering	$33 57	
Inspection	40 35	
Engineering expense	75	
Advertising	2 65	
Use of dump	24 75	
Crushed stone, 1,095 tons	1,354 55	
Cement, 2 barrels	4 44	
Gravel	15 97	
Bricks	4 50	
Edgestone	5 04	
Asphalt, 5,030 gallons Bermudez	905 40	
Teaming	275 05	
Steam roller, picking	53 00	
Steam roller, rolling	139 25	
Amount paid to Charles J. Jacobs Company, under contract:		
8,824 square feet artificial stone sidewalks furnished and laid @ 16c.	1,411 84	
Labor, edgestone excavating	17 50	
Labor, edgestone setting	23 00	
Labor, crosswalk excavating	15 75	
Labor, crosswalk relaying	31 42	
Labor, street cleaning	12 00	
Labor, roadway excavating	749 08	
Labor, macadam spreading	710 38	
		$5,830 24

St. Rose street, from South street 416 feet westerly. Length, 416 linear feet. Area, 1,232 square yards. Edgestone was set, granite block paving relaid, roadway surfaced with bituminous macadam, and artificial stone sidewalks and driveways constructed.

Engineering	$197 47
Inspection	212 95
Engineering expense	9 77
Labor, handling stock	10 66
Edgestone, 704 feet straight, 111 feet circular and 2 small corners	654 39
Carried forward	$1,085 24

Brought forward			$1,085 24
Asphalt, 3,199 gallons Bermudez			575 82
			$1,661 06
Credit: Flagging, $13.20; blocks, $6.92			20 12
			$1,640 94
Amount paid to Martino De Matteo, under contract:			
Removing trees, bushes, etc.	$20 00		
608 cubic yards earth excavation @ 75c.	456 00		
6.5 cubic yards water box excavation @ $5	32 50		
5 cubic yards rock excavation @ $5	25 00		
721 linear feet straight edgestone and corners hauled and set @ 25c.	180 25		
112 linear feet circular edgestone set @ 12c.	13 44		
35 linear feet existing edgestone reset @ 13c.	4 55		
9 square yards existing granite block paving relaid @ 45c.	4 05		
1,366 square yards bituminous macadam surface furnished and placed @ 80c.	1,092 80		
5,187 square feet artificial stone sidewalks furnished and laid @ 14c.	726 18		
58 square feet artificial stone driveways furnished and laid @ 20c.	11 60		
4 covers reset @ $3	12 00		
Extra work — Reset covers over 6 inches:			
3 covers reset @ $5	15 00		
Extra work — Cut edgestone to set on vertical curve:			
1 hour, edgestone setter, @ 62½c.	63		
Plus 15 per cent on 63c.	09		
Extra work — Remove asphalt from edgestone:			
18 hours' labor @ 35c.	6 30		
Plus 15 per cent on $6.30	95		
4 gallons kerosene @ 14c.	56		
	$2,539 37		
Less 15 per cent retained,	380 91		
		2,158 46	
			$3,799 40

Santuit street, from Roseland street to Welles avenue. Length, 386 linear feet. Area, 1,117 square yards. Artificial stone sidewalks constructed. Asphalt surface laid on 4-inch concrete base.

Engineering		$66 11	
Inspection		44 19	
Engineering expense		1 40	
Advertising		7 28	
Chemists' wages		12 00	
Labor, handling stock		3 00	
Labor, edgestone excavating		184 00	
Labor, edgestone resetting		39 00	
Labor, roadway excavating		549 77	
Labor, mixing asphalt		551 75	
Labor, spreading asphalt		115 68	
Labor, mixing and spreading concrete		502 28	
Labor, gutter excavating		70 74	
Labor, gutter paving		215 77	
Pebbles		3 99	
Gravel		31 50	
Sand		312 80	
Blocks		95 00	
Bricks		3 15	
Lumber		56 47	
Edgestone		144 12	
Cement, 122 barrels		298 37	
Crushed stone, 292 tons		498 76	
Rent of mixing plant		865 00	
Teaming		514 87	
Steam roller		33 75	
Asphalt, 1,934 gallons Bermudez		348 12	
Asphalt binder, 500 gallons		50 00	
Amount paid to Michael D. Russo & Co., under contract:			
3,189 square feet artificial stone sidewalks furnished and laid @ 19½c.	$621 86		
2 cubic yards water box excavation @ $2	4 00		
	$625 86		
Less 12 double loads dirt removed by city forces @ $1	12 00		
		613 86	
			$6,232 73

Saville street, from Park street to Stratford street. Length, 314 linear feet. Area, 915 square yards. Edgestone was set and reset at corners, granite blocks, hip gutters and brows were laid on a 4-inch concrete base with cement grout joints, sheet asphalt pavement was laid on 4-inch concrete base and artificial stone sidewalks with loam spaces were laid.

Engineering		$88 31	
Inspection		105 59	
Engineering expense		1 25	
Advertising		4 48	
Blocks		40 00	
Edgestone, 17 feet 5 inches circular and 24 feet 4 inches straight		41 90	
Amount paid Central Construction Company, under contract:			
430 cubic yards earth excavation @ 74c.	$318 20		
Carried forward	$318 20	$281 53	

Brought forward	$318 20	$281 53	
24 linear feet straight edgestone and corners hauled and set @ 23c.	5 52		
18 linear feet circular edgestone set @ 15c.	2 70		
30 linear feet existing edgestone reset @ 15c.	4 50		
240 square yards granite block paving hauled and laid, grout joints, including concrete base, @ $1.60	384 00		
715 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.05	1,465 75		
2,800 square feet artificial stone sidewalks furnished and laid @ 14¾c.	413 00		
100 square yards loam space furnished, placed and seeded @ 60c.	60 00		
		2,653 67	
			$2,935 20

Seaver street, from Blue Hill avenue to Humboldt avenue. Length, 2,676 linear feet. Area, 12,225 square yards. Sheet asphalt pavement laid, edgestone set and artificial stone sidewalks constructed. (Unfinished work from 1915 and 1916.) See data on section from Humboldt avenue to Walnut avenue.

Engineering		$551 32
Inspection		190 00
Engineering expense		9 55
Advertising		8 12
Labor, handling stock		38 85
Block, old granite		577 29
Edgestone		2,103 30
Crushed stone		15 03
Chemists' wages		39 25
Setting out trees		992 00
Amount paid to Warren Brothers Company, under contract:		
Preparing site	$1 00	
25 cubic yards rock excavation @ $6	150 00	
3,784 linear feet straight edgestone and corners hauled and set @ 30c.,	1,135 20	
209 linear feet circular edgestone set @ 23c.	48 07	
546 linear feet existing edgestone reset @ 19c.	103 74	
25 square yards existing granite block paving relaid, gravel joints, @ 60c.	15 00	
1,400 square yards granite block paving hauled and laid, grout joints, @ $1.35	1,890 00	
Carried forward	$3,343 01	$4,524 71

Brought forward	$3,343 01	$4,524 71
1,704 square yards existing granite block paving taken up, cleaned and relaid, grout joints, @ 90c.	1,533 60	
4 square yards existing flagging crosswalks taken up, cleaned and relaid, grout joints, @ $1.10	4 40	
16,774 square yards bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.50 . . .	25,161 00	
24,806 square feet artificial stone sidewalks furnished and laid @ 18c. . .	4,465 08	
1,519 square feet artificial stone driveways furnished and laid @ 22c. . .	334 18	
3 covers reset @ $3 . .	9 00	
2,915 square yards loam graded and seeded @ 10c. .	295 50	
127 square yards existing telford base taken up and relaid @ 53c. .	67 31	
1,394 tons crushed stone furnished, placed and rolled @ $1.89 . .	2,634 66	
Extra work — Remove concrete around trolley poles to permit setting of edgestone and cut edgestone in suitable lengths to set a curve:		
45 hours' labor @ 35c. .	15 75	
16 hours, stonecutter, @ 62½c.	10 00	
Plus 15 per cent on $25.75	3 86	
Extra work — Relocate gutter in Park driveway, opposite Elm Hill avenue:		
8 hours' labor @ 35c. .	2 80	
6 hours, paver, @ 62½c. .	3 75	
Plus 15 per cent on $6.55,	98	
Extra work — Excavate the surplus loam from loam spaces, and haul and grade same as directed:		
96 hours' labor @ 35c. .	33 60	
Plus 15 per cent on $33.60	5 04	
29 hours, double team, @ 75c.	21 75	
Carried forward . . .	$37,945 27	$4,524 71

Brought forward	$37,945 27	$4,524 71	
Extra work — Furnish extra cinders to conform to change of grade at back of sidewalk, between Elm Hill avenue and Maple street:			
12 double loads @ $2.50 .	30 00		
Extra work — Slope the bank at the Roxbury Latin School lot:			
10 hours, foreman, @ 62½c.,	6 25		
80 hours' labor @ 35c. .	28 00		
Plus 15 per cent on $34.25	5 14		
16 hours, double team, @ 75c.	12 00		
	$38,026 66		
Less amount charged to section from Walnut avenue to Humboldt avenue	11,408 00		
		26,618 66	
			$31,143 37

Seaver street, from Humboldt avenue to Walnut avenue. Length, 1,457 feet. Area, 6,800 square yards. Sheet asphalt pavement laid and artificial stone sidewalks constructed. (See data on section from Blue Hill avenue to Humboldt avenue.)

Engineering		$259 24	
Inspection		81 42	
Engineering expense		12 35	
Setting out trees		425 00	
Advertising		3 48	
Labor, handling stock		16 65	
Blocks		247 41	
Edgestone		901 41	
Chemists' wages		17 50	
Gravel		2 00	
Cement		59	
Teaming		68 00	
Steam roller		6 50	
Amount paid to Warren Brothers Company, under contract (for details, see section from Blue Hill avenue to Walnut avenue):			
Total amount paid under contract as per details . . .	$38,026 66		
Less amount charged to other section	26,618 66		
		11,408 00	
			$13,449 55

Selwyn street, from Farquhar street 1,174 feet northeasterly. (Work not started.)

Advertising		$4 48	
Edgestone, 1,930 feet straight		1,389 60	
			$1,394 08

South street, from Chestnut Hill avenue to Commonwealth avenue. Length, 616 linear feet. Area, 1,855 square yards. Artificial stone sidewalks, 8,197 square feet. The street was subgraded and new edgestones were set and the roadway was paved with asphalt and granite block gutters on a 4-inch concrete base. Artificial stone sidewalks and driveways were furnished and laid.

Engineering			$378 04
Inspection			108 82
Engineering expense			10 10
Advertising			7 28
Labor, handling stock			4 32
Blocks			272 00
Edgestone, 860 feet 4 inches straight, 109 feet 6½ inches circular and 9 small corners			788 46
Amount paid to Coleman Brothers, under contract:			
750 cubic yards earth excavation @ 90c.	$675 00		
5 cubic yards rock excavation @ $5	25 00		
1,123 linear feet straight edgestone and corners hauled and set @ 25c.	280 75		
110 linear feet circular edgestone set @ 25c.	27 50		
101 linear feet existing edgestone reset @ 20c.	20 20		
206 cubic yards concrete base furnished and laid @ $6,	1,236 00		
351 square yards granite block paving hauled and laid, grout joints, @ $1.60	561 60		
1,504 square yards bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.59	2,391 36		
7,690 square feet artificial stone sidewalks furnished and laid @ 16c.	1,230 40		
411 square feet artificial stone driveways furnished and laid @ 20c.	82 20		
6 covers reset @ $3	18 00		
	$6,548 01		
Less 15 per cent retained,	982 20		
		5,565 81	
			$7,134 83

Southwick street, from Neponset avenue to Freeport street. Length, 359 linear feet. Area, 1,037 square yards. Filling furnished and placed, edgestone set, roadway paved with asphalt and artificial stone sidewalks constructed. (Work unfinished.)

Engineering	$157 90
Inspection	122 80
Engineering expense	2 85
Labor, handling stock	8 01
Carried forward	$291 56

Brought forward		$291 56	
Edgestone, 537 feet 5 inches straight, 115 feet 7½ inches circular, 4 small corners and 2 special cut pieces		567 52	
Teaming		6 00	
Amount paid to Central Construction Company, under contract:			
Removing trees, etc.	$58 00		
140 cubic yards earth excavation @ 55c.	77 00		
1,000 cubic yards filling furnished @ 50c.	500 00		
550 linear feet straight edgestone hauled and set @ 18c.	99 00		
120 linear feet circular edgestone set @ 11c.	13 20		
1,000 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid (unfinished) @ 60c.	600 00		
3,300 square feet artificial stone sidewalks furnished and laid @ 12½c.	412 50		
100 square feet artificial stone driveways furnished and laid @ 14c.	14 00		
	$1,773 70		
Less amount retained	30 48		
	$1,743 22		
Less amount paid in 1916,	425 00		
		1,318 22	
			$2,183 30

Stratton street, from Lucerne street to Lyford street. (Work not started.)

Engineering	$127 00	
Engineering expense	1 20	
Advertising	1 50	
		$129 70

Stuart street, from Berkeley street to Columbus avenue. (Work not started.)

Engineering	$11 00	
Engineering expense	30	
		$11 30

Tebroc street, from Bowdoin street to Levant street. (Work not started.)

Engineering	$10 00

Temple street, from Spring street to Ivory street. Length, 1,091 linear feet. Area 3,152 square yards. Edgestone set, sheet asphalt pavement laid on a 4-inch concrete base and artificial stone sidewalks constructed.

Engineering			$114 30
Inspection			85 45
Engineering expense			10 27
Chemists' wages			42 16
Blocks			4 00
Teaming			142 50
			$398 68
Credit: Edgestone			30 24
			$368 44
Amount paid Central Construction Company, under contract:			
2,127 cubic yards earth excavation @ 55c.		$1,169 85	
42 cubic yards rock excavation @ $5		210 00	
2,037 linear feet straight edgestone and corners hauled and set @ 17c.,		346 29	
119 linear feet circular edgestone set @ 15c.		17 85	
7 linear feet existing granite block paving relaid, gravel joints, @ 50c.		3 50	
3,214 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.58,		5,078 12	
13,526 square feet artificial stone sidewalks furnished and laid @ 11¾c.		1,589 31	
57 square feet artificial stone driveways furnished and laid @ 15c.		8 55	
7 covers reset @ $3		21 00	
Extra work — Remove tree not shown on plan:			
16 hours' labor @ 37½c.		6 00	
Plus 15 per cent on $6		90	
Extra work — Remove edgestone already set and construct driveway:			
6 hours, edgestone setter, @ 75c.		4 50	
12 hours, helper, @ 33⅓c.		4 00	
Plus 15 per cent on $8.50,		1 28	
		$8,461 15	
Less amount paid in 1916,		1,528 30	
			6,932 85
			$7,301 29

Theodore street, from Morton street 618 feet easterly. Length, 618 linear feet. Area, 1,803 square yards. Asphalt roadway laid on a concrete base, new edgestone set and part of the sidewalks laid with artificial stone.

Engineering		$103 21	
Inspection		50 27	
Engineering expense		4 25	
Chemists' wages		23 78	
Labor, handling stock		45	
Labor, stonecutter		12 25	
Edgestone		45 39	
Amount paid to Central Construction Company, under contract:			
375 cubic yards earth excavation @ 55c.	$206 25		
75 cubic yards rock excavation @ $5	375 00		
1,000 cubic yards filling furnished @ 50c.	500 00		
1,100 linear feet straight edgestone hauled and set @ 18c.	198 00		
19 linear feet circular edgestone set @ 11c.	2 09		
50 linear feet existing edgestone reset @ 10c.	5 00		
1,800 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.60,	2,880 00		
3,500 square feet artificial stone sidewalks furnished and laid @ 12½c.	437 50		
2 covers reset @ $3	6 00		
	$4,609 84		
Less amount retained	30 48		
	$4,579 36		
Less amount paid in 1916,	282 63		
		4,296 73	
			$4,536 33

Ticknor street, from Columbia road to Marine road. (Work not started.)

Engineering	$48 00	
Engineering expense	40	
		$48 40

Tovar street, from Bowdoin street to Cameron street. (Work not started.)

Engineering	$5 00

Tuckerman street, from Dorchester street to Middle street. Length, 376 linear feet. Area, 783 square yards. Edgestone was set, gutters repaved, roadway paved with asphalt, existing brick sidewalks relaid and artificial stone sidewalks constructed. (Work done in 1916.)

Engineering	$4 51
Engineering expense	20
Carried forward	$4 71

Brought forward		$4 71	
Chemists' wages		9 00	
Amount paid Central Construction Company, under contract:			
255 cubic yards earth excavation @ 55c.	$140 25		
12 cubic yards rock excavation @ $5	60 00		
20 cubic yards filling furnished @ 50c.	10 00		
666 linear feet straight edgestone and corners hauled and set @ 18c.	119 88		
33 linear feet circular edgestone set @ 11c.	3 63		
60 linear feet existing edgestone reset @ 10c.	6 00		
20 square yards existing granite block paving relaid, gravel joints, @ 40c.	8 00		
768 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and set @ $1.60,	1,228 80		
21 square yards existing brick sidewalks relaid @ 30c.	6 30		
3,055 square feet artificial stone sidewalks furnished and laid @ 12½c.	381 88		
5 covers reset @ $3	15 00		
	$1,979 74		
Less amount paid in 1916,	1,674 28		
	$305 46		
Less amount retained	30 48		
		274 98	
			$288 69

Turner street, from Washington street to Faneuil street. Length, 1,255 linear feet. Area, 3,655 square yards. Artificial stone sidewalks, 14,379 square feet. The street was subgraded and new edgestones were set and the roadway was paved with asphalt and granite block gutters on a 4-inch concrete base. Artificial stone sidewalks and driveways were furnished and laid.

Engineering	$262 14
Inspection	156 01
Engineering expense	7 30
Advertising	7 28
Labor, handling stock	32 90
Labor, making templets	7 00
Lumber	3 39
Blocks, 23,875 old granite	477 50
Edgestone, 2,174 feet straight, 20 feet 5 inches circular, 6 small corners and 6 special cut	1,674 64
Teaming	10 75
Carried forward	$2,638 91

Brought forward		$2,638 91	
Amount paid to Coleman Brothers Company, under contract:			
2,026 cubic yards earth excavation @ 90c.	$1,823 40		
2,219 linear feet straight edgestone and corners hauled and set @ 25c.,	554 75		
73 linear feet circular edgestone set @ 25c.	18 25		
63 linear feet existing edgestone reset @ 20c.	12 60		
406 cubic yards concrete base furnished and laid @ $6	2,436 00		
5 square yards granite block paving relaid, gravel joints, @ $1	5 00		
733 square yards granite block paving hauled and laid, grout joints, @ $1.60	1,172 80		
2,930 square yards bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.59	4,642 80		
6 square yards existing brick sidewalks relaid @ 50c.	3 00		
14,207 square feet artificial stone sidewalks furnished and laid @ 16c.	2,273 12		
172 square feet artificial stone driveways furnished and laid @ 20c.	34 40		
	$12,976 12		
Less 15 per cent retained,	1,946 42		
		11,029 70	
			$13,668 61

Upland avenue, from Park street to Melville avenue. Length, 748 linear feet. Area, 2,562 square yards. Asphalt pavement laid and artificial stone sidewalks with loam space constructed.

Engineering		$47 96	
Inspection		30 61	
Engineering expense		1 65	
Chemists' wages		9 00	
Photographs		7 50	
Amount paid to Central Construction Company, under contract:			
1,090 cubic yards earth excavation @ 55c.	$599 50		
2 square yards granite block paving hauled and laid, grout joints, @ $1.40	2 80		
2,562 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.60	4,099 20		
Carried forward	$4,701 50	$96 72	

Brought forward	$4,701 50	$96 72	
7,000 square feet artificial stone sidewalks furnished and laid @ 12½c.	875 00		
550 square feet artificial stone driveways furnished and laid @ 14c.	77 00		
6 covers reset @ $3	18 00		
1,300 square yards loam spaces seeded and graded @ 9c.	117 00		
78 cubic yards loam furnished @ $1.50	117 00		
	$5,905 50		
Less amount retained	29 41		
	$5,876 09		
Less amount paid in 1916,	4,039 37		
		1,836 72	
			$1,933 44

Vista street, from Augustus avenue to Malvern road. Length, 399 linear feet. Area, 1,218 square yards. Edgestone was set, roadway surfaced with bituminous macadam and artificial stone sidewalks and driveways were constructed.

Engineering		$81 68	
Inspection		54 55	
Engineering expense		5 66	
Asphalt, 3,439 gallons Bermudez		619 02	
		$760 91	
Credit: Edgestone		17 58	
		$743 33	
Amount paid to Martino DeMatteo, under contract:			
486 cubic yards earth excavation @ 75c.	$364 50		
7 cubic yards water box excavation @ $5	35 00		
3 cubic yards rock excavation @ $5	15 00		
667 linear feet straight edgestone and corners hauled and set @ 25c.	166 75		
126 linear feet circular edgestone set @ 12c.	15 12		
1,197 square yards bituminous macadam surface furnished and placed @ 80c.	957 60		
4,498 square feet artificial stone sidewalks furnished and laid @ 14c.	629 72		
108 square feet artificial stone driveways furnished and laid @ 20c.	21 60		
Carried forward	$2,205 29	$743 33	

Brought forward	$2,205 29	$743 33	
Less 15 per cent retained,	330 79		
	$1,874 50		
Less amount paid in 1916,	328 86		
		1,545 64	
			$2,288 97

Wachusett street, from Walk Hill street to Eldridge road. (Work not started.)

Engineering	$14 00

Waldo terrace, from Washington street to Henshaw street. Length, 292 linear feet. Area, 510 square yards. Area, artificial stone sidewalks, 1,678 square feet. The street was subgraded, edgestones were set and reset, and the roadway was paved with asphalt and granite block gutters on a 4-inch concrete base. Artificial stone sidewalks were furnished and laid. (Some walk was laid back of street line.)

Engineering		$139 44	
Inspection		40 46	
Engineering expense		5 55	
Advertising		7 28	
Labor, handling stock		3 75	
Labor, making templets		7 00	
Lumber		1 69	
Blocks		73 00	
Edgestone		207 98	
Amount paid to Coleman Brothers Company, under contract:			
177 cubic yards earth excavation @ 90c.	$159 30		
251 linear feet straight edgestone and corners hauled and set @ 25c.	62 75		
23 linear feet circular edgestone set @ 25c.	5 75		
274 linear feet existing edgestone reset @ 20c.	54 80		
57 cubic yards concrete base furnished and laid @ $6,	342 00		
104 square yards granite block paving hauled and laid, grout joints, @ $1.60	166 40		
406 square yards bituminous concrete binder and asphalt wearing surface furnished and laid @ $1.59,	645 54		
499 square feet artificial stone sidewalks furnished and laid @ 16c.	239 84		
179 square feet artificial stone driveways furnished and laid @ 20c.	35 80		
	$1,712 18		
Less 15 per cent retained	256 83		
		1,455 35	
			$1,941 50

Walk Hill street, from Blue Hill avenue to Fottler road. (Work not started.)

Engineering	$101 66	
Engineering expense	1 30	
		$102 96

Washington street, from Morton street to Asticou road. Length, 510 linear feet. Area, 1,957 square yards. The roadway was paved with granite blocks with grout joints. Artificial stone sidewalks were constructed.

Engineering		$116 12
Inspection		10 44
Engineering expense		6 55
Crushed stone		11 90
Amount paid to James Doherty, under contract:		
1,525 cubic yards earth excavation @ 66½c.	$1,014 13	
48 linear feet circular edgestone set @ 13c.	6 24	
556 linear feet existing edgestone reset @ 14½c.	82 01	
291 cubic yards concrete base furnished and laid @ $5.25	1,527 75	
5 square yards existing granite block paving relaid, gravel joints, @ 45c.	2 25	
866 square yards granite block paving furnished and laid, grout joints, @ $2.49	2,156 34	
1,030 square yards existing granite block paving relaid, grout joints, @ 95c.	978 50	
61 square yards existing flagging crosswalks relaid @ 90c.	54 90	
2,827 square feet artificial stone sidewalks furnished and laid @ 12½c.	360 44	
6 covers reset @ $3	18 00	
Concrete wall built	1,090 00	
Extra work — Take down and rebuild to new line mortar wall at corner of Morton street:		
Taking down and rebuilding wall	270 00	
Extra work — Relay granite block paving on concrete base, grout joints, over New England Telephone and Telegraph Company trench opposite Asticou road:		
2 hours, foreman, @ 62½c.,	1 25	
2 hours, paver, @ 62½c.	1 25	
Carried forward	$7,563 06	$145 01

Brought forward . . .	$7,563 06	$145 01	
2 hours, tender, @ 30c. .	60		
1 hour, rammer, @ 30c. .	30		
12 hours' labor @ 30c. . .	3 60		
Plus 15 per cent on $7 .	1 05		
7 bags cement @ 50c. .	3 50		
1 single load sand @ $1 .	1 00		
1 ton crushed stone @ $1.50,	1 50		
	$7,574 61		
Less amount paid in 1916,	5,456 39		
		2,118 22	
			$2,263 23

Waupello road, from Saratoga street to Bayswater street. (Work not started.)

Engineering		$221 00	
Engineering expense		55	
			$221 55

Wensley street, from Bucknam street to Bickford avenue. Length, 416 linear feet. Area, 1,202 square yards. Edgestone set, bituminous macadam roadway constructed and artificial stone sidewalks laid.

Engineering		$131 28	
Inspection		180 79	
Engineering expense		3 70	
Labor, handling stock		9 63	
Edgestone, 793 feet straight, 7 feet 5 inches circular		580 49	
Asphalt, 3,678 gallons Bermudez . . .		662 04	
Amount paid M. DeMatteo, under contract:			
200 cubic yards earth excavation @ 75c. . . .	$150 00		
19 cubic yards water box excavation @ $5 . .	95 00		
350 cubic yards filling furnished @ $1 . . .	350 00		
775 linear feet straight edgestone and corners hauled and set @ 25c. . .	193 75		
57 linear feet existing edgestone reset @ 13c. .	7 41		
427 linear feet crushed stone and concrete foundation furnished and laid @ 14c.	59 78		
10 square yards existing granite block paving relaid @ 45c.	4 50		
10 square yards existing flagging crosswalks relaid @ 45c.	4 50		
Carried forward . . .	$864 94	$1,567 93	

Brought forward . . .	$864 94	$1,567 93	
1,150 square yards bituminous macadam surface furnished and laid (unfinished) @ 60c. . .	690 00		
5,300 square feet artificial stone sidewalks furnished and laid @ 14c. . . .	742 00		
	$2,296 94		
Less 15 per cent retained,	344 54		
		1,952 40	
			$3,520 33

Westbrook street, from Bennington street to Saratoga street. (Work not started.)

Advertising		$4 48	
Engineering expense		10	
			$4 58

Westover street, from Weld street to Dunbar street. (Work not started.)

Engineering		$81 36	
Engineering expense		40	
Advertising		3 88	
			$85 64

Westwood street, from Richfield street to Wales place. Length, 607 linear feet. Area, 1,760 square yards. Asphalt roadway with granite edgestones was laid and artificial stone sidewalks were constructed.

Engineering		$82 69	
Inspection		87 35	
Engineering expense		7 68	
Chemists' wages		10 79	
Edgestone, 203 feet circular		256 15	
Blocks		8 00	
Teaming		3 50	
Amount paid Central Construction Company, under contract:			
1,400 cubic yards earth excavation @ 74c. . . .	$1,036 00		
115 cubic yards rock excavation @ $6 . . .	690 00		
910 linear feet straight edgestone and corners hauled and set @ 23c. . .	209 30		
205 linear feet circular edgestone set @ 15c. . .	30 75		
65 linear feet existing edgestone reset @ 15c. .	9 75		
1,755 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.05,	3,597 75		
Carried forward . . .	$5,573 55	$456 16	

Brought forward	$5,573 55	$456 16	
7,168 square feet artificial stone sidewalks furnished and laid @ 14½c.	1,057 28		
	$6,630 83		
Less amount retained	1,566 15		
		5,064 68	
			$5,520 84

William Jackson avenue, from Chestnut Hill avenue to Academy Hill road. (Work not started.)

Engineering	$11 08	
Advertising	4 48	
Edgestone	11 97	
		$27 53

Willow court, extended to Massachusetts avenue. (Work not started.)

Engineering	$11 50	
Engineering expense	30	
Advertising	4 48	
		$16 28

Wilmington avenue, from Milton avenue to Nevada street. (Work not started.)

Engineering	$102 19	
Engineering expense	40	
Advertising	8 83	
		$111 42

Wordsworth street, from Horace street to Coleridge street. Length, 750 linear feet. Area, 2,726 square yards. Edgestone set, gutters repaved, roadway paved with asphalt pavement and artificial stone sidewalks constructed.

Engineering		$229 19
Inspection		120 59
Engineering expense		11 30
Labor, handling stock		12 60
Chemists' wages		10 79
Edgestone, 823 feet 8 inches straight, 2 special cut pieces and 166 feet circular		823 80
Amount paid Central Construction Company, under contract:		
1,000 cubic yards earth excavation @ 74c.	$740 00	
832 linear feet straight edgestone and corners hauled and set @ 23c.	191 36	
180 linear feet circular edgestone set @ 15c.	27 00	
28 square yards granite block paving hauled and laid, grout joints, including concrete base, @ $1.60,	44 80	
Carried forward	$1,003 16	$1,208 27

Brought forward . . .	$1,003 16	$1,208 27	
2,298 square yards concrete base, bituminous concrete binder and asphalt wearing surface furnished and laid @ $2.05 . .	4,710 90		
6,746 square feet artificial stone sidewalks furnished and laid @ 14¾c. . . .	995 04		
70 square feet artificial stone driveway furnished and laid @ 14¾c. . . .	10 33		
24 linear feet artificial stone curbing furnished and laid @ $1.90	45 60		
6 covers reset @ $3 . .	18 00		
43 linear feet wood fence furnished and built @ $2 .	86 00		
Extra work — Omit furnishing and laying of brick block gutters, etc.:			
320 square yards concrete base and second-hand granite block gutters furnished and laid @ $2 . .	640 00		
		7,509 03	
			$8,717 30

Wyoming street, from Wabeno street to Humboldt avenue. Length, 200 linear feet. Area, 653 square yards. Edgestone set, bituminous macadam roadway laid and artificial stone sidewalks constructed.

Engineering		$21 25	
Inspection		67 76	
Engineering expense		1 75	
Advertising		4 48	
Edgestone, 123 feet straight and 19 feet circular		124 86	
Asphalt, 1,697 gallons Bermudez . . .		305 46	
Amount paid to M. DeMatteo, under contract:			
120 cubic yards earth excavation @ 75c. . . .	$90 00		
19 cubic yards rock excavation @ $5 . . .	95 00		
120 linear feet straight edgestone and corners hauled and set (unfinished) @ 15c.	18 00		
19 linear feet circular edgestone set @ 12c. . .	2 28		
105 linear feet existing edgestone reset @ 13c. .	13 65		
85 linear feet crushed stone and concrete foundation furnished and laid @ 14c.	11 90		
Carried forward . . .	$230 83	$525 56	

Brought forward . . .	$230 83	$525 56	
668 square yards bituminous macadam surface furnished and laid @ 80c.,	534 40		
1,559 square feet artificial stone sidewalks furnished and laid @ 14c. . . .	218 26		
6 linear feet artificial curbing furnished and placed @ $1	6 00		
2 covers reset @ $3 . .	6 00		
1 dry well @ $5 . . .	5 00		
	$1,000 49		
Less 15 per cent retained,	150 07		
		850 42	
			$1,375 98

RECAPITULATION OF STREET WORK.

MAINTENANCE.

Adams street, from Dorchester avenue to Leonard street	$1,020 69
Adams street, from Leonard street across Dickens street	505 54
Adams street, from Dickens street to railroad	887 43
Adams street, from Pierce square to Richmond street	3,714 00
Albion place, from Main street, northeasterly	1,093 30
Amory street, from Green street to Boylston street,	649 95
Athens street, from F street to Dorchester street	627 23
B street, from West Broadway to West First street,	1,845 09
Ballard street, from Centre street to Centre street,	679 15
Beach street, from Medford street to railroad	342 30
Beacon street, from Cleveland circle to Newton line	29,315 76
Bentham road, from Draper street to Robinson avenue	128 08
Bernard street, from Harvard street to Talbot avenue	721 02
Bowdoin street, from Winter street to Quincy street	23 75
Brookline avenue, from Burlington avenue to Lansdowne street	2,546 08
Camden street, from Washington street to Shawmut avenue	426 65
Camden street, from Tremont street to Columbus avenue	900 07
Camden street, from Columbus avenue to railroad,	975 53
Carpenter street, from Hyde street to Preble street,	58 50
Carruth street, from Ashmont street to Codman street	878 93
Carter street, from Cambridge street to Roland street	155 71
Charles street, from Dorchester avenue to Geneva avenue	711 34
Charlotte street, from Blue Hill avenue to Bradshaw street	1,631 06
Clarendon street, from Stuart street to Boylston street	1,232 89
Clayton street, from Greenwich street to Park street	3,240 07
Carried forward	$54,310 12

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Brought forward	$54,310 12
Clinton street, from Merchants row to Fulton street	808 75
Cross street, from North street to Commercial street	1,476 34
E street, from West Sixth street to West Seventh street	2,868 43
East Third street, from L street to M street	1,307 87
Elmont street, from Vassar street to Waterlow street	156 25
F street, from West Broadway to West Eighth street	4,657 42
Forest Hills street, from Arborway to Morton street	790 59
Fulton street, from Blackstone street to Richmond street	2,878 50
Gardner street, from Baker street 2,300 feet easterly	3,731 97
Geneva avenue, from Blue Hill avenue to Wilder street	762 86
Geneva avenue, from Bowdoin street to Dorchester avenue	1,784 53
Granger street, from Duncan street to Clayton street	619 86
Greenwich street, from Dorchester avenue to Freeport street	2,123 29
Harvard avenue, from Commonwealth avenue to Brookline line	1,268 94
Hemenway street, from Boylston street to Norway street	1,547 29
Hemenway street, from Norway street to Westland avenue	1,707 62
Hemenway street, from Westland avenue to Gainsborough street	2,134 06
High street, from Federal street to Summer street,	565 22
Howard avenue, from Quincy street to Woodcliff street	3,619 52
Howland street, from Elm Hill avenue to 200 feet west of Humboldt avenue	2,951 21
Huntington avenue (east side), from Longwood avenue to Conant street	1,345 66
Kimball street, from Dorchester avenue to Freeport street	1,249 59
L street, from Columbia road to Marine road	1,191 06
L street, from Marine road to East Sixth street	2,159 36
L street, from East Sixth street to East Fourth street	1,170 39
Lancaster street, from Causeway street 200 feet easterly	451 06
Carried forward	$99,638 66

Brought forward	$99,638 66
Leonard street, from Adams street to Clayton street	2,160 00
Leyden street, from Breed street to Boardman street	3,763 68
Lincoln street, from Adams street to Dorchester avenue	861 62
Linden street, from Dorchester avenue to Freeport street	2,156 74
Morton street, from Forest Hills street to Canterbury street	1,464 91
Morton street, from Canterbury street to Harvard street	1,295 00
Moseley street, from Columbia road to Crescent avenue	442 01
Mt. Pleasant avenue, from Dudley street to Fairland street	3,507 89
Mystic street, from Bunker Hill street to Medford street	579 56
Neponset avenue, from Hyde Park avenue to Canterbury street	1,765 62
Northampton street, from Columbus avenue to railroad	1,437 24
P street, from Columbia road to East Sixth street,	123 75
Peabody square and intersecting streets	419 21
Pearl street, from Pleasant street to Dorchester avenue	1,692 66
Percival street, from Bowdoin street to Fox street,	960 86
Peterborough street, from Jersey street to parkway,	2,895 48
Princeton street, from Marion street to Brooks street	1,074 26
Princeton street, from Brooks street to Putnam street	1,091 98
Princeton street, from Putnam street to Prescott street	1,463 67
Quincy street, from Blue Hill avenue to railroad bridge	7,737 42
Romsey street, from Dorchester avenue to Saxton street	2,500 80
Rose street, from Albany street to Harrison avenue,	300 00
Saratoga street, from Butler avenue to Washburn street	2,665 28
Sarsfield street, from Tremont street to Columbus avenue	350 29
St. James avenue, from Berkeley street to Clarendon street	988 58
Savin Hill avenue, from Dorchester avenue to Eric avenue	1,322 28
Carried forward	$144,659 45

Brought forward	$144,659 45
Sudbury street, from Portland street to Haymarket square	541 82
Sullivan street, from Bunker Hill street to Bartlett street	398 62
Sydney street, from Hartland street to Savin Hill avenue	81 95
Trull street, from Hancock street to Bellevue street	2,300 17
Utica street, from Beach street to Kneeland street,	1,293 43
Walk Hill street, from Blue Hill avenue to Almont street	305 00
Walk Hill street, from Harvard street to Blue Hill avenue	395 37
Walk Hill street, from Canterbury street to Harvard street	387 75
Walpole street, from Tremont street to Columbus avenue	342 11
Washington street, from Erie street to Elden street,	9 90
Washington street, at the intersection of Columbus avenue	701 97
Washington street, from Fairbanks street to Oak square	1,231 28
Washington street, from Oak square to Newton line,	726 42
Watson street, from Camden street to Northampton street	573 32
Wellesley park, from Park street to Melville avenue	36 75
Weston street, from Tremont street to Columbus avenue	251 25
West Seventh street, from Dorchester street to E street	1,407 96
West Springfield street, from Shawmut avenue to Washington street	1,549 03
West Third street, from A street to B street	1,031 39
	$158,224 94
Credit:	
East Eighth street, from Dorchester street to Covington street	198 00
	$158,026 94

CHARGED TO SPECIAL APPROPRIATIONS.

Belgrade avenue extension and *Beech street*, widening,	$1,373 25
Charles street (now Caledonian avenue), from Spring street to Hamilton street	3,047 82
Carried forward	$4,421 07

Brought forward	$4,421 07
Chelsea street, Charlestown, widening, from Chamber street to Foss street	3,738 11
Hyde Park avenue, widening	4,486 46
Norfolk street, Dorchester, widening	9,689 11
	$22,334 75

CHARGED TO APPROPRIATION FOR GRANOLITHIC SIDEWALKS.

Adams street, west side, from Codman street to Richmond street	$6,887 30
Adams street, from King square to Ashmont street,	11,327 33
Ainsley street, from Rosemont street southerly	62 51
Amherst street, from Belgrade avenue to Penfield street	17 42
Amory street, from Boylston street to Green street	4,366 84
Aspen street, from Copeland street to Montrose street	374 00
Auckland street, from Belfort street about 51 feet southerly	82 99
Beech street, from West Roxbury Parkway to Hobson street	169 14
Belfort street, from Dorchester avenue to Sagamore street	1,599 06
Belvidere street, from Massachusetts avenue to Dalton street	1,248 53
Birch street, from Penfield street to Corinth street,	8 81
Bourne street, north side, from Walk Hill street to Patten street	16 00
Brooks street, from Faneuil street to Hobart street,	42 32
Brookside avenue, from Boylston street to Green street	3,015 80
Brown avenue, from Poplar street to Blakemore street	6,037 52
Central avenue, west side, from Webster street to Lincoln street	21 99
Cleveland place, from Margaret street to Snow Hill street	23 92
Corbet street, from Norfolk street to Morton street,	2,147 75
Dix street, from Adams street 120 feet westerly,	167 94
Dorchester avenue, from Park street to Peabody square	5,386 70
Dorchester avenue, at Nos. 1542, 1544, 1582 to 1588	540 68
Dorchester avenue, from Freeport street to Park street	8,741 43
Dorchester avenue, east side, near Richmond street,	82 50
Carried forward	$52,368 48

Brought forward	$52,368 48
Dover street, north side, from Tremont street 58 feet easterly	47 48
Edison green, at No. 6	59 82
Evergreen street, from South Huntington avenue to Day street	8 00
Fairbanks street, from Faneuil street to Washington street	59 26
Florence street, from Ashland street to Poplar street	1,883 24
Gladstone street, from Walley street to Upland street	10
Hanover street, from Court street to Commercial street	5,119 49
Holton street, from Everett street to Franklin street	14 34
Humboldt avenue, east side, from Seaver street 87 feet north	86
Hyde Park avenue, from Tower street to Walk Hill street	3,358 06
King street, from Neponset avenue to Adams street	2,691 93
Lamartine street, from Boylston street to Green street	6,424 34
Mapleton street, from Murdock street to Market street	13 32
Market street, east side, from Mapleton street to Sparhawk street	19 22
Massachusetts avenue, east side, from Norway street to 67 feet northerly	36 58
Morton street, south side, from Washington street to Forest Hills street	97 66
Neponset avenue, from King street to Boutwell street	1,928 49
Norfolk avenue, west side, from Shirley street to Burrell street	1,029 10
Norway street, north side, from Massachusetts avenue 113 feet easterly	30 83
Park street, north side, from Clayton street to Adams street	1,446 38
Paul Gore street, north side, from No. 12 to Chestnut avenue	3,129 41
Richmond street, north side, from Adams street to Dorchester avenue	2,129 94
Ridge street, from Brown avenue to Sycamore street	2,970 93
Rockwell street, from Washington street to Milton avenue, etc.	59 52
Carried forward	$84,926 78

Brought forward	$84,926 78
Romsey street, from Dorchester avenue to Sydney street	1,813 16
Rosemont street, from Adams street to Gustine street	976 72
Rosseter street, east side, from Bullard street to No. 20	93 72
Saratoga street, from Butler avenue to Washburn avenue	40
Scotia street, from St. Cecilia street to Dalton street	1,002 86
Seaver street, at Walnut avenue	2 86
Seymour street, from Brown avenue to Canterbury street	2,280 96
Sherwood street, from Ashland street to Florence street	7,495 49
Shirley street, south side, from Clifton street to Norfolk avenue	1,474 93
South street, west side, from Washington street to New York, New Haven & Hartford Railroad	132 59
St. Cecilia street, from Boylston street to Belvidere street	535 75
Stoughton street, south side, from Stoughton Street place to 90 feet east of Columbia road	731 14
Sycamore street, from Florence street to Ashland street	4,247 69
Tower street, from Hyde Park avenue to Forest Hills Cemetery	2,507 31
Tremont street, east side, from Dover street to 89 feet northerly	44 70
Walk Hill street, west side, from Hyde Park avenue about 400 feet southerly	596 00
Walk Hill street, from Hyde Park avenue to Wenham street	85
Walnut avenue, at Seaver street	86
Washington street, south side, from Tip Top street to Newton line	750 00
West Selden street, from Crossman street 2,100 feet easterly	5,635 75
Westville street, south side, from Bowdoin square to Iowa street	152 44
Westville street, north side, from Orchardale street to 205 feet east of Bowdoin street	513 61
	$115,916 57
Credit: Huntington avenue, at Christian Science Church	55 48
Total	$115,861 09

RECONSTRUCTING AND REPAIRING STREETS BY CONTRACT.

Albany street, from Dover street to Northampton street	$78,885 19
Albany street, from Kneeland street to Boston & Albany Railroad	263 00
Appleton street, from Berkeley street to Columbus avenue	79 90
Artificial stone sidewalks	11,696 23
Asphalt pavements repaired	79,806 41
Atlantic avenue, from Summer street to near Oliver street	21 09
Batterymarch street, from Franklin street to Broad street	220 92
Beach street, from Harrison avenue to Atlantic avenue	17,220 50
Beacon street, from Tremont street to Park street,	13,201 07
Beacon street, from Park street to Charles street	14,252 31
Beacon street, from Raleigh street to railroad	6,326 67
Blossom street, from Parkman street to Allen street	4,446 67
Bowdoin street, from Topliff street to 78 feet west of Mt. Ida road	98 16
Boylston street, from Washington street to Tremont street	5,531 94
Brighton avenue, from Commonwealth avenue to Cambridge street	29,239 21
Canal street, from Haymarket square to Causeway street	22,992 29
Chandler street, from Berkeley street to Columbus avenue	107 59
Columbia road, from Edward Everett square to Dudley street	4,751 67
Dearborn street, from Albany street to Dudley street	1,638 16
Devonshire street, from Adams square to Water street	867 13
Dorchester avenue, from Savin Hill avenue to Freeport street	20,182 37
Dorchester avenue, from Peabody square to Washington street	17,683 77
Dorchester avenue, from Freeport street to Park street	12,364 97
Dorchester avenue, from Old Colony avenue to Humboldt place	19,221 59
Fruit street, from Blossom street to Charles street,	6,208 92
Harrison avenue, from Kneeland street to Dover street	9,192 14
Carried forward	$376,499 87

Brought forward	$376,499 87
Harvard street, from Prescott street to south side of Harvard square	59 33
Haymarket square	31,946 50
Lincoln street, from Essex street to Beach street	10,951 51
McKinley square, at Custom House	23,464 72
Maverick square, from Sumner street to Maverick street	8,691 17
Neponset avenue, from Ashmont street to Chickatawbut street	3,029 62
North Anderson street, from Parkman street to Fruit street	129 54
North Grove street, from Cambridge street to Fruit street	3,693 68
North Russell street, from Cambridge street to Eaton street	3,388 72
Park street, from Tremont street to Beacon street,	733 13
Parkman street, from North Anderson street to North Grove street	228 65
School street, from Washington street to Tremont street	496 36
Somerset street, from Washington street to Tremont street	42 98
South street, from Jamaica street to Arborway	110 06
Summer street, from South street, across Dewey square to Dorchester avenue	28,806 33
Tremont street, from Boylston street to Common street	15,466 49
Trull street, from Hancock street to Bellevue street	765 00
Washington street, from Haymarket square to Elm street	13,852 64
Washington street, from Beach street to near Court avenue	28,204 02
West Broadway, from Dorchester avenue to E street	24,779 77
West Canton street, from Tremont street to Appleton street	60 18
	$575,400 27
Amount due from Paving Service	5 00
	$575,405 27

CHARGED TO APPROPRIATION FOR HIGHWAYS, MAKING OF.

Ainsworth street footway, from Tyndale street to Belgrade avenue	$1,809 96
Alexander street, from Bird street about 527 feet northerly	1,657 52
Carried forward	$3,467 48

Brought forward	$3,467 48
Alger street, from Dorchester avenue to New York, New Haven & Hartford Railroad	807 55
Amory street, from Centre street to Bragdon street,	23,404 33
Ardent street, from Belgrade avenue to Colberg avenue	430 55
Atkins street, from Washington street to Stratton street	6,781 10
Atwill road, from Richwood street to Park street,	58 14
Augustus avenue, from Metropolitan avenue to Ethel street	2,095 73
Baird street, from Morton street to Blue Hill avenue	51 70
Bardwell street, from South street to Ballard street,	1,904 33
Bayswater street, from Austin avenue to Waupello road	87 48
Bellvista street, from Allston street to Brookline line	63 43
Bexley road, from Washington street to Florence street	1,193 54
Blake street, from Hyde Park boundary across Randolph road	1,642 66
Breck avenue, from Washington street to Langley road	1,088 59
Brunswick street, from Blue Hill avenue to Normandy street	839 51
Burlington avenue, from Brookline avenue 501 feet northwest	386 50
Cameron street, from Hancock street 530 feet southwesterly	5 00
Carmel street, from Tremont street to Dell avenue,	83 26
Caspian way, from Savin Hill avenue easterly	4,321 03
Cedric street, from Magazine street to Langdon street	560 63
Centervale park, from Upland avenue to Bourneside street	1,428 71
Charles street, at Beacon street	744 51
Clarendon street, extended to Columbus avenue	4 00
Cliffmont street, from Canterbury street 1,120 feet southerly	1,032 03
Conley street, from Old Colony Parkway to Tenean street	1,584 73
Cornell street, from Orange street to Colberg avenue	12,282 28
Cummings road, from Commonwealth avenue to Brighton avenue	11,234 88
Dana avenue footway, from Dana avenue to Eastern avenue	147 20
Deer street, from Roach street to Melvinside terrace,	13 00
Carried forward	$77,743 88

Brought forward	$77,743 88
Denny street, near Savin Hill Playground	11 33
Downer avenue, from DeWolf street to Sawyer avenue	5,570 40
Dunbar avenue, from Washington street westerly,	5 00
Dunlap street, from Washington street to Whitfield street	20
Dunster road, from Centre street to Pond street,	7,126 56
Epping street, from Washington street to Norfolk street	1,680 06
Eric avenue, from Savin Hill avenue to 344 feet northerly	629 67
Everton street, from Geneva avenue to Olney street	3,189 05
Faywood avenue, from Orient avenue to Tower street	105 28
Fordham road, from Commonwealth avenue to Brighton avenue	6,819 10
Fuller street, from Commonwealth avenue to boundary line	813 64
Gaffney street, from Commonwealth avenue to Boston & Albany Railroad	16,022 81
Glencoe street, from North Beacon street to Garden street	8,025 46
Goodale road, from Blue Hill avenue 620 feet westerly (south side)	2,741 03
Gove street, from Cottage street to Venice street,	3,577 79
Gove street footbridge, from Orleans street to Bremen street	21 60
Granada avenue, from Metropolitan avenue to Ethel street	2,517 56
Greenview avenue, from Centre street 219 feet	39 35
Grove street, from Centre street to Washington street	333 30
Halifax street, from South Huntington avenue to Pond View street	447 37
Hallam street, from Dorchester avenue to Auckland street	125 60
Hampstead road, from the Arborway	33 00
Harvard street, from Morton street to Deering road,	4,976 04
Harwood street, from Willowwood street to Lucerne street	1,630 31
Hillcrest street, from Elgin street to Temple street,	2,013 32
Hill Top street, from Granite avenue to Hallet street	21,920 43
Holden street, from Columbia road, westerly	47 40
Holton street, from Everett street to Antwerp street	70 40
Carried forward	$168,236 94

Brought forward	$168,236 94
Homestead street, from Elm Hill avenue to Humboldt avenue	8,198 69
Hubert street, from Shawmut avenue to Westminster street	812 66
Hunnewell avenue, from Champney street to Atkins street	921 51
Irma street, from Woodrow avenue to Callender street	44 24
Jones avenue footway, from Ballou avenue to Norfolk street	9,943 29
Justin road, from Bigelow street to Atkins street	35 35
Kenton road, from Washington street 800 feet easterly	1,144 20
Langley road, from Breck avenue 571 feet easterly,	2,463 93
Levant street, from Geneva avenue to Topliff street,	15 10
Lithgow street, from Talbot avenue to Wainwright street	4,937 14
Lorette street, from Centre street to Hillcrest street,	818 81
Lorne street, from Harvard street to 650 feet northerly	9,127 02
Malverna road, from Metropolitan avenue to Ethel street	61 01
Mascot street, from Mountain avenue to Norfolk street	100 44
Matchett street, from Washington street 843 feet northerly	5,382 78
Middleton street, extended to Theodore street	43 69
Minton street, from Amory street to Brookside avenue	52 07
Moraine street, from South Huntington avenue to Jamaicaway	494 53
Moreland street, from Dennis street to Brook avenue	37 38
Morton street, from Norfolk street to Midland Division, New York, New Haven & Hartford Railroad bridge	1,648 84
Mt. Ida road, from Marie street to Ronan park	5,755 02
Mt. Ida road, from Robinson street to Ronan park	1,135 93
Museum road, from Huntington avenue to Fenway,	4,332 14
Mixer plant, cube mixer	3,750 00
Neptune road, from Bennington street to Boston, Revere Beach & Lynn Railroad	26,689 66
Nevada street, from Wilmington avenue to Fairmount avenue	80 84
Normandy street, from Intervale street to Devon street	461 94
Carried forward	$256,725 15

Brought forward	$256,725 15
North Beacon street, from Cambridge street to Market street	1,673 05
Norwood street, extended from Conley street	5 00
Orchardfield street, from Dorchester avenue to Freeport street	981 95
Overland street, from Brookline avenue to Boston & Albany Railroad	4,826 52
Parkland street, from Winship street to Academy Hill road	3,433 28
Parkton road, from Perkins street to Perkins street,	5,368 42
Parkvale street, from Brighton avenue to Glenville avenue	61 95
Patten street, from Hyde Park avenue to Bourne street	10,517 89
Peabody street, from Brookline avenue to Binney street	534 57
Perham street, from Vermont street to New York, New Haven & Hartford Railroad	29,392 93
Perthshire road, from Bigelow street to Matchett street	57 23
Pontiac street, from Tremont street to Hillside street	4,591 70
Public Alley 818, from St. Stephen street to Public Alley 819	24 50
Public Alley 819, from Westland avenue to Batavia street	8 20
Public Alley 820, from Huntington avenue to St. Botolph street	18 43
Public Alley 821, from Gainsborough street to Public Alley 820	28 92
Radford lane, from Carruth street to Bushnell street	2,763 80
Ralston street, from Dorchester avenue to Old Colony avenue	7,558 79
Randall street, from Harrison avenue to Albany street	543 85
Redfield street, from Port Norfolk street to Walnut street	4 65
Redlands road, from Centre street to Abbott street,	18 60
Richwood street, from Centre street to Montview street	13,454 75
Ripley road, from Vassar street to Harvard street,	1,982 50
Rowell street, from Hancock street to Cushing avenue	3,196 48
Rugby road, from Randolph road to Auckland street	6,476 88
St. Albans road, from Francis street to Huntington avenue	5,830 24
Carried forward	$360,080 23

Brought forward	$360,080 23
St. Rose street, from South street 416 feet westerly	3,799 40
Santuit street, from Roseland street to Welles avenue	6,232 73
Saville street, from Park street to Stratford street,	2,935 20
Seaver street, from Blue Hill avenue to Humboldt avenue	31,143 37
Seaver street, from Humboldt avenue to Walnut avenue	13,449 55
Selwyn street, from Farquhar street 1,174 feet northeasterly	1,394 08
South street, from Chestnut Hill avenue to Commonwealth avenue	7,134 83
Southwick street, from Neponset avenue to Freeport street	2,183 30
Stratton street, from Lucerne street to Lyford street	129 70
Stuart street, from Berkeley street to Columbus avenue	11 30
Tebroc street, from Bowdoin street to Levant street	10 00
Temple street, from Spring street to Ivory street,	7,301 29
Theodore street, from Morton street 618 feet easterly	4,536 33
Ticknor street, from Columbia road to Marine road	48 40
Tovar street, from Bowdoin street to Cameron street	5 00
Tuckerman street, from Dorchester street to Middle street	288 09
Turner street, from Washington street to Faneuil street	13,668 61
Upland avenue, from Park street to Melville avenue	1,933 44
Vista street, from Augustus avenue to Malvern road	2,288 97
Wachusett street, from Walk Hill street to Eldridge street	14 00
Waldo terrace, from Washington street to Henshaw street	1,941 50
Walk Hill street, from Blue Hill avenue to Fottler road	102 96
Washington street, from Morton street to Asticou road	2,263 23
Waupelo road, from Saratoga street to Bayswater street	221 55
Wensley street, from Bucknam street to Bickford avenue	3,520 33
Carried forward	$466,637 99

Brought forward	$466,637	99
Westbrook street, from Bennington street to Saratoga street	4	58
Westover street, from Weld street to Dunbar street,	85	64
Westwood street, from Richfield street to Wales place	5,520	84
William Jackson avenue, from Chestnut Hill avenue to Academy Hill road	27	53
Willow court, extending to Massachusetts avenue,	16	28
Wilmington avenue, from Milton avenue to Nevada street	111	42
Wordsworth street, from Horace street to Coleridge street	8,717	30
Wyoming street, from Wabeno street to Humboldt avenue	1,375	98
	$482,497	56
Amount due from Paving Service . . .	146	00
Total	$482,643	56

PUBLIC WORKS DEPARTMENT—HIGHWAY DIVISION—PAVING SERVICE.

Maintenance of Macadam Streets.

Table showing cost by years of resurfacing or patching from February 1, 1913, to January 31, 1918.

	1913.	1914.	1915.	1916.	1917.
Total length of macadam in miles	388.14	392.27	396.28	392.91	390.04
Total area of macadam in square yards	7,029,622	7,092,634	7,147,804	7,058,095	6,913,275
Total cost of resurfacing of macadam *	$252,127 10	$317,134 41	$170,760 85	$115,268 20	$138,452 49
Total cost of patching of macadam †	$95,645 60	$102,847 01	$136,059 01	$114,113 82	$198,820 05
Cost of resurfacing per mile over entire mileage	$649 58	$808 46	$430 91	$293 37	$354 96
Cost of resurfacing per square yard over entire area	$0 036	$0 045	$0 024	$0 016	$0 02
Length of macadam resurfaced yearly in miles	22.6	26.2	13.4	11.5	10.74
Cost per mile of macadam resurfaced yearly	$11,156 07	$12,104 37	$12,743 35	$10,023 32	$12,891 29
Area of macadam resurfaced yearly in square yards	336,591	381,063	185,215	179,093	165,401
Cost per square yard of macadam resurfaced yearly	$0 749	$0 832	$0 922	$0 644	$1 20
Area of macadam patched yearly in square yards	417,059	477,863	680,470	445,637	788,981
Cost per square yard of macadam patched yearly	$0 229	$0 215	$0 200	$0 256	$0 252
Binders used (per cent):					
Water	39.73	23.04	13.29	19.80	.0695
Tar preparation	42.99	51.13	34.88	54.96	.5831
Asphalt preparations	17.28	25.83	51.83	25.24	.3474

* By resurfacing is meant entire area of street excavated and resurfaced with not less than four inches of new material.
† By patching is meant scattered areas of depressions, etc., which are filled with new material from a depth of one-half inch up.

New Edgestones. (Does not include work done on streets laid out and constructed under chapter 393 of the Acts of 1906.)

First Setting. Linear Feet.

YEAR.	South Boston.	East Boston.	Charlestown.	Brighton.	West Roxbury.	Dorchester and Hyde Park.	Roxbury.	City Proper.	Totals.
1908.....	656	798	.....	2,405	2,399	3,654	4,811	813	15,536
1909.....	723	2,898	.....	214	779	4,833	2,380	5,253	17,080
1910.....	328	1,182	100	983	5,190	8,044	6,810	50	22,687
1911.....	1,718	465	.....	2,098	11,627	14,627	5,806	352	36,693
1912.....	6,045	1,017	229	1,806	7,890	9,669	3,168	407	30,231
1913.....	2,199	557	70	1,221	2,907	10,296	2,716	1,359	21,325
1914.....	4,773	959	.....	1,970	1,520	1,637	901	672	12,432
1915.....	947	265	.....	4,939	2,230	6,928	4,547	331	20,187
1916.....	221	1,996	.....	1,987	2,393	3,378	1,968	638	12,578
1917.....	1,779	298	.....	1,159	8,225	7,180	933	524	20,098
Totals...	19,389	10,435	399	18,782	45,160	70,246	34,087	10,399	208,847

New Brick Sidewalks. (Does not include work done on streets laid out and constructed under chapter 393 of the Acts of 1906.)

First Laying. Square Yards.

YEAR.	South Boston.	East Boston.	Charlestown.	Brighton.	West Roxbury.	Dorchester and Hyde Park.	Roxbury.	City Proper.	Totals.
1908.....	217	836	.....	.....	400	958	884	.....	3,295
1909.....	311	2,597	.....	.....	156	406	5,359	.....	8,829
1910.....	1,292	974	42	166	987	596	2,230	.....	6,287
1911.....	520	364	.....	.....	.....	460	1,469	314	3,127
1912.....	2,249	623	.....	.....	.....	208	716	.....	3,796
1913.....	490	465	.....	.....	80	103	647	86	1,871
1914.....	762	379	.....	.....	.....	150	382	585	2,258
1915.....	287	465	.....	150	.....	.....	501	.....	1,403
1916.....	125	175	.....	.....	.....	.....	366	.....	666
1917.....	17	20	.....	.....	.....	105	599	49	790
Totals...	6,270	6,898	42	316	1,623	2,986	13,153	1,034	30,322

Recapitulation, 1917.

	Edgestones. *Linear Feet.*	Brick. *Square Yards.*
South Boston Paving District, No. 1	1,779	17
East Boston Paving District, No. 2	298	20
Charlestown Paving District, No. 3	.....	.....
Brighton Paving District, No. 4	1,159	.....
West Roxbury Paving District, No. 5	8,225	.....
Dorchester and Hyde Park Paving Districts, Nos. 6, 9–11	7,180	105
Roxbury Paving District, No. 7	933	599
City Proper Paving Districts, Nos. 8 and 10	524	49
Totals	20,098	790

Loads of Dirt and Street Cleanings Removed from February 1, 1917, to January 31, 1918.

By Paving Service Force.

Districts.	Single.*	Double.†	Cubic Yards.
South Boston	1,981	.....	1,981
East Boston	225	20	265
Charlestown	172	.....	172
Brighton	2,139	3,171	8,481
West Roxbury	1,861	2,734	7,329
Dorchester	1,202	1,581	4,364
Roxbury	5,734	352	6,438
South End	658	188	1,034
Ashmont	452	834	2,120
North End	589	.....	589
Hyde Park	2,590	488	3,566
Totals	17,603	9,368	36,339

* Single load, 1 cubic yard. † Double load, 2 cubic yards.

Loads of Snow Removed from February 1, 1917, to January 31, 1918.
By Paving Service Force.

DISTRICTS.	Single.*	Double.†	Cubic Yards.	Cost.‡
South Boston	9,386	146	19,210	$11,202 59
East Boston	870	32	1,836	5,816 01
Charlestown	785	.....	1,570	7,589 32
Brighton	298	134	998	7,727 57
West Roxbury	1,477	1,473	7,373	11,207 44
Dorchester	1,099	231	2,891	8,380 61
Roxbury	272	45	679	22,025 20
South End	1,361	636	4,630	14,640 12
Ashmont	411	423	2,091	4,836 33
North End	3,346	.....	6,692	§ 12,415 75
Hyde Park	607	679	3,251	3,195 57
Totals	19,912	3,799	51,221	$109,036 51

* Single load, 2 cubic yards.
† Double load, 3 cubic yards.
‡ Includes cost of plowing gutters, cleaning sidewalks and picking ice not carted away.
§ Includes cost of license, engineering, inspection, advertising, etc., on contract work, amounting to $1,306.55.

Snow and Ice Removed by Contract.

From February 1, 1917, to January 31, 1918.

(All on 1916 contract. Nothing removed on 1917 contract.)

DISTRICTS.	Number of Loads.*	Cubic Yards.	Cost per Cubic Yard.	Total Cost.
Snow District No. 1	1,600	7,610	$0 43	$3,372 30
Snow District No. 2	442	1,640	42	688 80
Snow District No. 3	127	1,101½	45	495 68
Snow District No. 4	127	1,131	38	429 78
Snow District No. 5	1,105	3,988	49	1,954 12
Snow District No. 6	379	2,316½	40	926 60
Snow District No. 7	694	2,669½	40	1,067 80
Totals	4,474	20,456½	$0 436	† $8,935 08

* The capacity of the loads varies from two (2) cubic yards to ten (10) cubic yards.
† In addition to this amount ($8,935.08), $3,845.36 was paid to contractors on a labor cost plus basis for picking and removing. No record was kept of the number of loads or number of cubic yards removed.

Summary of Volume and Cost of Snow Removed, Year Ending January 31, 1918.

Work Done by	Districts.	Teams.		Total Teams.		Cubic Yards.	Total Cubic Yards.	Cost.	Total Cost.	Cost per Cubic Yard.	Total Cost per Cubic Yard.
		Single.	Double.	Single.	Double.						
Paving Service, day work	South Boston	10,386	146			19,210		$11,202 59			
	East Boston	870	32			1,836		5,816 01			
	Charlestown	785				1,570		7,589 32			
	Brighton	298	134			998		7,727 57			
	West Roxbury	1,477	1,473			7,373		11,207 44			
	Dorchester	1,091	231			2,891		8,380 61			
	Roxbury	272	45			679		22,025 20			
	South End	1,361	636			4,630		14,640 12			
	Ashmont	411				2,091		4,836 33			
	North End	3,346				6,692		12,415 75			
	Hyde Park	607	679			3,251		3,195 57			
				[1] 19,912	[2] 3,799		51,221		[4] $109,036 51		
Paving Service, contracts	Snow District No. 1	.....	1,600			7,610		$3,372 30		$0 43	
	Snow District No. 2	.....	442			1,640		688 80		42	
	Snow District No. 3	.....	127			1,101		495 68		45	
	Snow District No. 4	.....	127			1,131		429 78		38	
	Snow District No. 5	.....	1,105			3,988		1,954 12		49	
	Snow District No. 6	.....	379			2,317		926 60		40	
	Snow District No. 7	.....	694			2,669		1,067 80		40	
	Miscellaneous	.....	.....	.....	[3] 4,474	.....	20,456	3,845 36	12,780 44		$0 436
Street Cleaning Service, day work	South Boston	4,382	.....			11,393.2		$6,409 91		$0 562	
	East Boston	364	.....			943.8		613 00		649	
	Charlestown	1,307	.....			3,398.2		1,778 12		520	
	Dorchester	363	.....			1,043.8		811 97		777	
	Roxbury	245	.....			637		620 05		973	
	South End, uptown	330	.....			858		670 69		781	
	South End, downtown	14,838	.....			38,478.8		16,340 16		424	
	Back Bay	790	.....			2,054		1,759 96		856	
	North and West Ends	21,038	.....			54,701.4		23,263 37		425	
	Patrol System	9,023	.....			23,459.8		17,024 12		725	
				[5] 52,680	.....		136,968		[6][7] 69,291 35		0 505
	Totals	.....	.....	72,592	8,273	.....	208,645	.....	$191,108 30	.....	$0 521

[1] Single load, 2 cubic yards. [2] Double load, 3 cubic yards. [3] Capacity of loads varies from 2 to 10 cubic yards.
[4] Includes cost of plowing gutters, cleaning sidewalks and picking ice not carted away.
[5] Single loads, 2 cubic yards. [6] Includes Sunday, paid time and one half, and holidays double time.
[7] Does not include $12,203.15 spent by Street Cleaning Service for cleaning crosswalks and gutters not carted away.

STREET OPENINGS.

Under Classes 1 and 2 of the schedule of permit fees, permits for openings in public ways were issued as follows:

	Permits.	Length in Feet.
City of Boston Fire Department	11	620
City of Boston Police Department	30	2,295
City of Boston Schoolhouse Commission	37	4,980
City of Boston Sewer Service	222	5,320
City of Boston Water Service	1,299	27,160
Boston Consolidated Gas Company	1,218	38,200
Boston Elevated Railway Company	351	163,160
Charlestown Gas and Electric Company	118	2,780
Dedham and Hyde Park Gas and Electric Company	44	4,595
East Boston Gas Company	139	9,115
Edison Electric Illuminating Company	1,879	165,565
New England Telephone and Telegraph Company	351	44,425
Miscellaneous	2,169	276,781
Bay State Street Railway Company	20	4,140
Quincy Market Cold Storage Company	17	1,760
Eastern Cold Storage Company	6	310
Western Union Telegraph Company	26	6,615
Emergency Class A	1,234	.....
Emergency Class A, returned as used	832	.....
Estimated length	.....	20,800
Totals	10,003	778,621

Making a total length of openings of about 148 miles.

Permits for occupation of public ways for purposes other than openings have been issued as follows:

Advertising by men wearing lettered hat and coat	26
Cleaning snow from roof	49
Driving cattle through the streets	14
Dumping snow in public alleys	11
Erecting and repairing awnings	1,054
Erecting and repairing buildings	1,903
Painting or minor repairs	3,391
Feeding horses on streets	453
Moving buildings in streets	12
Placing signs flat on buildings	835
Projecting signs or lamps	627
Raising or lowering safes or heavy machinery	169
Carried forward	8,544

Brought forward	8,544
Emergency permits (Class B)	283
Special permits for other than the above purposes	3
Annual permits for other purposes	496
Total	9,326
Total for openings in public ways	10,003
Total of all permits issued	19,329

The income from the issuance of permits amounted to $21,715.72, divided as follows:

Class No.	1.	Openings	$5,663 00
	2.	Emergency openings	860 50
	3.	Advertising	38 00
	4.	Cleaning snow from roofs	49 00
	5.	Driving cattle	70 00
	6.	Dumping snow	5 50
	7.	Erecting and repairing awnings	527 00
	8.	Erecting, alterations and repairs on buildings	10,008 72
	9.	Minor repairs on buildings	1,695 50
	10.	Feeding horses	453 00
	11.	Moving buildings	120 00
	12.	Painting signs on fences	0 00
	13.	Placing flat signs	418 50
	14.	Projecting signs, etc.	627 00
	15.	Raising and lowering goods, etc.	169 00
	16.	Loading and unloading goods	0 00
	17.	Emergency (Class B)	283 00
	18.	Special	0 75
	19.	Annual permits	727 25
			$21,715 72

Sixteen thousand five hundred fifty-eight dollars and eighty-seven cents cash paid to City Collector. Bills for collection of balance, $5,156.85.

One thousand five hundred twenty-nine surety company bonds are on file in the Permit Office. These include twenty thousand, four thousand, three thousand, and one thousand dollar bonds.

DEFECTS IN SIDEWALKS AND ROADWAYS.

One hundred sixty-one notices were sent to property owners to make repairs to sidewalks for the maintenance of which they were responsible. These included steps,

portions of buildings encroaching on sidewalks, and defective bulkheads, areas, etc.

Twenty-two thousand seven hundred twenty-one notices were sent to district foremen, contractors, public service corporations and others to make repairs in the streets where defects existed on account of work for which they were responsible.

Permits have been issued for the placing of four hundred fifty-nine poles and the removal of three hundred ninety-five poles in accordance with plans filed in this office. Permits have also been issued for the resetting of nine hundred eighty-one defective poles.

STREET NUMBERING.

Building numbers have been assigned as listed below:

	Entire Streets Numbered.	Entire Streets Renumbered.	Partly Numbered Streets.	Partly Renumbered Streets.	Estates Numbered.	Estates Renumbered.	Figures Issued.
East Boston	.....	.....	.....	.....	30	2	100
Charlestown	.....	.....	.....	.....	14	.....	51
Boston	3	1	1	1	109	78	550
South Boston	.....	.....	.....	1	64	15	227
Roxbury	.....	.....	3	.....	77	2	231
West Roxbury	.....	.....	3	2	177	20	491
Dorchester	.....	1	2	1	145	16	400
Brighton	.....	.....	3	.....	91	2	208
Hyde Park	.....	2	.....	1	41	40	134
Totals	3	4	12	6	748	175	2,392

PLANS.

During the year plans were filed as follows:

	Mains.	Poles.	Tracks.	Conduits.	Miscellaneous.
New England Telephone and Telegraph Company.	.....	31	.....	43	.....
Edison Electric Illuminating Company...	.....	60	.....	260	.....
Boston Consolidated Gas Company.....	14	.....	.....	.....	.....
East Boston Gas Company.....	1	.....	.....	.....	.....
Dedham and Hyde Park Gas and Electric Company.	2	.....	.....	.....	.....
Charlestown Gas and Electric Company,	.....	1	.....	.....	.....
Boston Elevated Railway Company.....	.....	3	13	4	.....
Quincy Market Cold Storage Company..	.....	.....	.....	3	.....
Boston Pneumatic Transit Company....	.....	.....	.....	1	.....
Boston Low Tension Wire Association...	.....	.....	.....	2	.....
Boston Schoolhouse Commission.....	.....	.....	.....	19	.....
Bay State Street Railway Company.....	.....	.....	2	.....	.....
Boston Police Department.....	.....	.....	.....	12	.....
Western Union Telegraph Company.....	.....	.....	.....	3	.....
Union Freight Railroad Company.....	.....	.....	1	.....	.....
Massachusetts Telephone and Telegraph Company.	.....	.....	.....	1	.....
American Telephone and Telegraph Company.	.....	1	.....	.....	.....
Miscellaneous.....	.....	.....	.....	.....	31
Totals.....	17	96	16	348	31

Poles, 96; mains, 17; tracks, 16; conduits, 348; miscellaneous, 31; total of 508 plans filed this year, making a total of plans on file of 14,161.

TABLE SHOWING THE UNIT COST OF ASPHALT AND BITULITHIC REPAIRS PER SQUARE YARD OF STREET SURFACE FROM 1908 TO 1917, INCLUSIVE.

Trinidad Asphalt.

City Proper.

STREET.	Limits.	Year Laid.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
Albany street	80 feet north of Broadway, across Way street.	1899	.....	$0.005	.....	.....	.....	.....	.....	$0.267	.....	.....
Albany street	East Concord street to 225 feet north of Massachusetts avenue.	1884	$0.124	.401	$0.346	$0.284	$0.235	$0.150	$0.174	.311	$0.059	.....
Andrews street	East Dedham street to East Concord street.	1899	.....	*	.....	.....	.....	.....	.....	.009	.....	.....
Arch street	Franklin street to Milk street	1893	.....	.....	.....	.....	.....	.....	.....	†	.....	$0.004
Arch street	200 feet south of Milk street to Franklin street.	1893	.329	.145	‡	.....	*	.....	.....	†	.....	.....
Arch street	Franklin street to Summer street	1915	.....	.....	.....	.....	.....	.....	.....	.....	.....	.026
Arlington street	Boylston street to Beacon street	1901	.....	.....	.....	*.010	.002	.014	.015	.056	.008	.066
Ash street	Bennet street to Nassau street	1887	.....	†	.....	.....	.....	.....	.....	.....	.....	.051
Auburn street	Leverett street to Poplar street	1911	.....	.....	.....	.....	.....	.....	.....	.....	*	.024
Avon street	Washington street to Chauncy street	1901	.....	.....	.....	*.028	.023	.146	.045	.139	.064	.588
Barton court	Barton street to Brighton street	1904	.....	.....	.....	.....	.....	.....	*	.....	.....	.....
Batterymarch street	Milk street to Liberty square	1896	.030	.013	.060	.196	.319	.043	.067	.167	.119	.132
Beacon street	Charles street, across Arlington street,	1901	‡.062	.....	.....	.....	.....	.....	.....	.....	.....	.....
Beacon street	Charles street to Brimmer street	1891	.109	.064	.074	.192	.....	.053	.....	.....	.....	.....

Beacon street	Charles street to Brimmer street and southerly side to Arlington street.	1891–1901	.....	.....	.....	.....	.046	.....	.078	.217	.056	.230
Beacon street	Easterly side of Dartmouth street to within 150 feet of westerly line of Gloucester street.	1892	.084	†.028	.....	.....	.....	.....	.....	.....	.....	.....
Beacon street	Dartmouth street to Hereford street...	1909	.....	.....	.....	.....	.....	.....	*	.018	.024	.048
Beacon street	150 feet from westerly line of Gloucester street to 78 feet beyond westerly line of Gloucester street.	1898	.010	†.003	.....	.....	.....	.....	.....	.....	.....	.....
Beacon street	78 feet west of Gloucester street to Hereford street.	1893	†.042	†.018	.....	.....	.....	.....	.....	.....	.....	.....
Bennet street	Ash street to Harrison avenue.....	1905	.....	.....	.....	.....	.....	.....	.....	*	.479	.090
Berkeley street	Boylston street to 155 feet south of Boylston street (west side).	1902	.....	.....	.....	.....	*	.128	.032	.....	.....	.....
Berkeley street	38 feet south of Boylston street to 156 feet south of Boylston street (east side).	1902–06	.....	.....	.....	.....	*	.....	.....	.....	*	.166
Bond street	Hanson street to Milford street.....	1895	.037	.....	.036	.030	.049	.040	.082	.....	.....	.013
Boylston street	Tremont street to Boylston place.....	1901	.....	.....	.....	*.078	.322	.267	.385	§	.....	.....
Boylston street	Charles street to Arlington street.....	1901	.....	.....	.....	*.051	.070	.052	.....	§	.....	.....
Boylston street	Easterly side of Berkeley street, across Clarendon street.	1897	.226	.038	‡.098	.....	.043	.....	§	.....	.....	.....
Boylston street	Clarendon street, across Dartmouth street.	1901	.....	.....	.....	*.021	.056	.....	.....	†	.....	.....
Boylston street	St. Cecilia street to Massachusetts avenue.	1904	.....	.....	.....	.....	.....	.....	*.189	.181	.226	.292
Brattle square	Brattle street to Elm street.....	1888	.103	.091	.275	.067	.117	.087	.052	.....	.337	.....
Brighton street	Leverett street to Allen street.....	1892–1908	.744	.113	.141	.315	.327	.271	.123	.341	.214	.298

Cost of Trinidad Asphalt Repairs, 1908-17.— *Continued.*

City Proper.— Continued.

STREET.	Limits.	Year Laid.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
Brimmer street	Beacon street to Pinckney street	1895–1906	.....	.....	.....	.....	.....	.....	.....	.....	.....	$0.202
Brimmer street	Beacon street to Byron street	1895	$0.397	$0.509	$0.067	$0.523	$0.466	$0.798	$0.058	$0.201	$0.060	.....
Brimmer street	Chestnut street to Pinckney street	1895	.211	.059	.068	.134	.031	.003	.155	.333	.031	.....
Cazenove street	Columbus avenue to 45 feet south of Columbus avenue, also Columbus avenue intersection.	1899	.....	.016	.....	.....	.....	.....	.....	.....	.....	.....
Central street	Broad street to Kilby street	1887	.191	.076	.099	†.120	.....	.....	.....	.....	.....	.....
Chambers street	Green street, across Poplar street	1902	.....	.....	.....	.....	*	.....	.....	.129	.033	.766
Chambers street	Brighton street to Charles street	1895	.272	.004	.086	.115	.116	.154	.131	.361	.006	.083
Charles street	Fruit street to Allen street	1909	.....	.....	†.120	*.758	.731	.683	.508	1.326	1.304	.428
Charter street	Hanover street, across Unity street	1894	.616	.150	.251	.273	.388	.255	.145	.628	.222	.079
Cherry street	Washington street to Shawmut avenue,	1892	.012	.049	.029	.034	.082	.....	.270	.....	.099	.....
Clark street	Hanover street to North street	1892	.392	.038	.053	.248	.223	.207	.219	.352	.391	.229
Columbus avenue	134 feet south of Ferdinand street to Boston & Albany Railroad.	1904	.....	.....	.....	.....	.....	.....	*	.396	.157	.237
Columbus avenue	Boston & Albany Railroad Bridge to northerly side of Camden street.	1907	.....	.....	.....	.....	.....	.....	.....	.....	.....	*.295
Congress square	Congress square to Congress street	1883–1900	.007	.....	.161	.116	.....	.051	.013	.711	.....	.....
Cooper street	North Margin street to Endicott street,	1887	.339	.170	.663	.361	.426	.457	.329	1.232	.592	.511

Cooper street	Endicott street to Washington Street North.	1897	†	.....	.....	.....	.....	.....	.....	.....	.....	†
Corning street	Washington street to Shawmut avenue,	1883–96	.061	.....	.....	.....	.....	.....	.....	.....	.....	.....
Court street	Washington street to Court square....	1904	.....	.....	.....	.....	.....	.027	*.233	.299	.290	.278
Court square	Easterly and southerly side.....	1881–94	.191	.046	.193	.290	.113	.021	.....	.160	.....	.....
Court square	West side, from 148 to 8 feet south of Court street.	1904	.....	.....	.....	.....	.....	.....	*	.....	.066	.177
Dartmouth street	Boylston street to Newbury street....	1894	.067	.....	.023	.110	.060	.049	†.091	.....	.....	.....
Dartmouth street	Huntington avenue to Boylston street,	1901	.....	.....	.....	*.039	.008	.....	.011	.....	.276	.....
Davis street	Washington street to Harrison avenue,	1892	.100	.173	.332	.184	.680	.106	.130	.211	.208	.225
Devonshire street	Water street to Milk street.....	1909	.....	.....	*	.056	.099	.459	.431	1.437	.291	.486
Devonshire street	Milk street to Franklin street.....	1905	.....	.....	.....	.....	.....	.....	.....	*.426	.420	.507
Dillon street	Lenox street to Sawyer street.....	1902	.....	.....	.....	.....	*	.010	.....	.068	.....	.....
Doane street	Kilby street to Broad street.....	1881	.307	.055	†.189	.031	.224	.058	.034	.046	.....	.066
Edinboro' street	Essex street to Beach street.....	1895	.068	.170	.093	.377	‡.229	.....	.....	.....	.....	.....
Endicott street	Cooper street, across Thacher street...	1899	.....	*	.154	.177	.163	.278	.087	.027	.194	.174
Exchange place	Congress street to Kilby street.....	1903	.....	.....	.....	.....	.....	*	.059	.099	.....	.027
Groton street	Washington street to Shawmut avenue,	1892	.045	.045	.115	.041	.079	.031	.061	.144	.194	.360
Hanover avenue	Hanover street to North street.....	1892	.237	.102	.029	.222	.209	.107	.012	.056	.299	.093
Harris street	Hanover street to North street.....	1904	.....	.....	.....	.....	.....	.....	*	.....	.030	.021
Harrison avenue	22 feet south of Kneeland street to 22 feet north of Harvard street.	1899	.....	*	.271	.250	.189	.211	.320	.170	.113	.389
Harrison avenue	East Newton street to East Springfield street.	1888–95	.369	.233	.291	.258	.378	.081	.132	.714	.169	.153

Cost of Trinidad Asphalt Repairs, 1908-17.— *Continued.*

City Proper.— Continued.

STREET.	Limits.	Year Laid.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
Harrison avenue	Asylum street, across Davis street	1901	.....	.....	.....	*$0.231	$0.327	$0.150	$0.305	$0.886	$0.253	.....
Harrison avenue	North side Decatur street, across Gloucester place.	1905	.....	.....	.....	.....	.....	.....	.....	*.994	.....	.....
Harrison avenue	Union Park street, across Malden street,	1903	.....	.....	.....	.....	.....	*.193	.060	.657	.181	$0.275
Harrison avenue	Malden street to East Dedham street,	1909	.....	.....	.....	.....	.....	.....	*	.262	.141	.....
Harrison avenue	East Springfield street to 90 feet southerly.	1888	$0.880	$0.078	$0.208	.....	.080	.216	.352	.336	.602	.....
Hawes street	Congress street to Kilby street	1904	.....	.....	.....	.....	.....	.....	*	.050	.089	.....
Hollis street	Tremont street toward Washington street.	1891	.092	.073	.227	.295	.072	.080	.055	.....	.144	.335
Hudson street	Beach street to 90 feet north of Curve street (minus Kneeland and Harvard streets intersection).	1891	.175	.142	.178	.358	.224	.188	.305	.218	.142	†
Huntington avenue	Boylston street, across Dartmouth street.	1901	.....	.....	.....	*.037	.033	.007	.012	.027	.054	.....
Kilby street	State street to Central street	1904	.....	.....	.....	.....	.....	.....	*.293	†	.....	.094
Kilby street	Central street to Milk street (including Liberty square).	1881-98	†.010	.016	.040	.045	.028	.012	.019	.558	.057	.134
Kingston street	Beach street to Essex street	1899	.....	*.080	†.355	.....	.....	.....	.....	*.316	.341	.400
Laconia street	Washington street to Harrison avenue.	1896	.157	.018	.224	.013	.117	.048	.075	.059	.065	†
La Grange street	Tremont street toward Washington street.	1897	.180	.074	.160	.216	.147	.333	.056	.502	.081	.613

Lincoln place	Worcester street to Springfield street,	1897	.037	.021	.....	.242	.....	.....	.....	.....	.....	.....
Lynn street	Cooper street to Thacher street	1906	.....	.....	.....	.....	.....	.....	.....	.....	*	.140
Malcolm street	Mt. Vernon street to Chestnut street	1892	.128	.104	.....	.....	.....	.666	.....	.....	.086	.....
Malden street	Washington street to Harrison avenue,	1902	.....	.....	.....	.....	*.004	.034	.026	.....	.079	.137
Mason street	449 feet south of West street to 545 feet south of West street.	1909	.....	.....	†.063	.113	.193	.190	.032	.527	.014	.....
Mason street	Tremont street to Avery street	1900	.....	.....	*	.189	.064	.042	.170	.193	.058	.....
Massachusetts avenue	Columbus avenue to Tremont street (southerly roadway).	1892	.088	.070	†.070	.....	.....	.....	.....	*	.....	.....
Massachusetts avenue	Tremont street to Shawmut avenue (southerly roadway).	1892	.063	.045	†.017	.....	.....	.....	.....	*	.....	.....
Massachusetts avenue	Shawmut avenue to Washington street (southerly roadway).	1892	.200	.021	†.066	.....	.....	.....	.....	*	.....	.....
Moon street	North square to Lewis street	1891	.150	.105	.083	.189	.248	.073	.071	.....	.132	.....
Norman street	Green street to South Margin street	1905	.....	.....	.....	.....	.....	.....	.....	*.391	.....	.161
Northampton street	Washington street to Shawmut avenue,	1905	.....	.....	.....	.....	.....	.....	.....	*	.446	.069
North Bennet street	Hanover street to Salem street	1904	.....	.....	.....	.....	.....	.....	*.018	.....	.....	.255
North Margin street	Stillman street to Thacher street	1895	.114	.005	.024	.142	.085	.105	.045	.090	.111	.120
Oxford street	Beach street to Essex street	1895	.159	.107	.285	.227	.247	.182	.088	.248	.013	†
Parkman street	North Anderson street, across Blossom street.	1898	.020	.....	.044	.032	.013	.058	.069	.623	.....	.087
Parmenter street	Hanover street to Salem street	1902	.....	.....	.....	.....	*.006	.213	.154	.531	.264	.346
Parnell street	Lenox street to Sawyer street	1902	.....	.....	.....	.....	*	.....	.....	.008	.....	.....
Pinckney street	Charles street, across Brimmer street	1895	.248	.056	.147	.172	.036	.056	.096	.175	.040	.123
Pine street	Washington street to Harrison avenue,	1896	.037	.040	.055	.052	.142	.031	.....	.077	.262	.057

Cost of Trinidad Asphalt Repairs, 1908-17.— *Continued.*

City Proper.— Concluded.

STREET.	Limits.	Year Laid.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
Pleasant street	Tremont street to Shawmut avenue	1900	$0.314	$0.399	$0.557	$0.402	$0.605	$0.024	$0.112	*	.....	.....
Poplar street	Chambers street to Charles street	1887-92	.217	.022	.071	.144	.172	.102	.109	$0.382	$0.157	$0.236
Public Alley No. 416	Between Beacon street and Marlborough street, from Clarendon street to Berkeley street.	1901	.....	.....	.....	*	.....	.011	.....	.....	.....	.....
Public Alley No. 417	Between Beacon street and Marlborough street, from Fairfield street to Exeter street.	1901	.....	.....	.....	*	.....	.024	.....	.....	.....	.....
Public Alley No. 425	Between Beacon street and Marlborough street, from Berkeley street to Clarendon street.	1899	.....	.....	.344	.....	.....	.....	.....	.....	.....	.....
Public Alley No. 426	Between Commonwealth avenue and Marlborough street, from Fairfield street to Exeter street.	1901	.....	.....	.....	*.094	.....	.006	.....	.....	.....	.....
Public Alley No. 428	Between Commonwealth avenue and Marlborough street, from Gloucester street to 205 feet east of Hereford street.	1901	.....	.....	.....	*	.....	.017	.....	.....	.....	.....
South Margin street	Staniford street, across Norman street,	1905	.....	.....	.....	.....	.....	.....	.....	*.374	.....	.417
Spring street	Poplar street to Leverett street	1895	.440	.069	.128	.333	.160	.183	.128	.454	.422	.093
Stevens street	Lincoln place toward Shawmut ave.	1897	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stillman street	Endicott st., across North Margin st.	1892-95	.349	.009	.005	.035	.041	.286	.157	.061	.159	.033
Stoddard street	Howard street to Court street	1892	.049	.....	.176	.127	.023	.076	.066	.....	.543	.....

Sun-court street	North street to Moon street	1891	.304	.118	.060	.245	.190	.119	.043	.....	.139	.....
Temple place	Washington street to Tremont street,	1900	.....	.....	*.017	.154	.086	.183	.268	.504	.025	.341
Thacher street	Washington St. North to Endicott st.,	1892	.405	.014	.226	.267	‡.127	.453	.093	.469	.214	†
Tileston street	Unity street to Salem street	1895	270	.....	.228	.640	.385	.206	.057	.243	.....	.103
Tileston street	Hanover street to Unity street	1905	.....	.....	.....	.....	.....	.....	.....	*	.....	.103
Tremont street	Scollay square to Boylston street (minus Beacon street intersection).	1900	.....	.....	*.074	.319	.228	.421	.374	§.388	.....	.....
Trinity place	St. James ave., across Stanhope street,	1900	.....	.....	*.007	.013	‡.127	.136	.002	.033	.....	.....
Unity street	Charter street to Tileston street	1897	.182	.013	.126	.030	.390	.071	.078	.246	.284	.100
Warrenton street	Eliot street to Tremont street	1884–91	.112	.038	.319	.031	.059	.256	.063	.329	.049	.....
Warrenton street	Shawmut avenue to Washington street,	1891	.120	.050	.233	.094	.008	.168	.125	.050	.025	.....
Water street	Congress street to Kilby street	1902	.....	.....	.....	.....	*	.014	.026	.155	.....	.....
Water street	Liberty square to Broad street	1896	.025	.038	.059	.213	.070	.060	.017	.....	.051	.027
Wiget street	Salem street to North Margin street	1897	.186	.045	.046	.342	.159	.029	.066	.010	.506	.070
Wiggin street	North Bennet street to Tileston street,	1905	.....	.....	.....	.....	.....	.....	.....	.....	*	.091

Charlestown.

Austin street	Seminary place to Lawrence street	1891	$0.151	$0.142	$0.173	$0.821	$0.109	$0.087	$0.164	$0.199	$0.372	$0.165
Bunker Hill street	At Tufts street	1897	.....	.....	.....	.....	.....	.....	.064	.....	.....	.....
Corey street	124 feet north of Moulton street to Moulton street.	1897	.238	.....	.132	.247	.....	.194	.121	.220	.....	.....
Joiner street	Park street to Chelsea street	1906	.....	.....	.....	.....	.....	.....	.....	.....	* .310	.661
Moulton street	Easterly side of Corey st. to Vine st.,	1897	.025	.....	.....	.030	.....	.043	.034	.200	.....	.....

Cost of Trinidad Asphalt Repairs, 1908-17.— *Concluded.*

Charlestown.— Concluded.

STREET.	Limits.	Year Laid.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
Moulton street	Vine street to Bunker Hill street	1897	$0.007	$0.008	$0.032	$0.095	.....	$0.044	$0.029	$0.099	.....	.....
Tufts street	Bunker Hill street, 141 feet northerly,	1897	.070	.044	.....	.154	.....	.035	.042	.....	.....	.....
Vine street	Bunker Hill street, across Moulton st.,	1897	.031	.007	.027	.039	.....	.049	.010	.....	.....	.....
Washington Street North,	Over Fitchburg Railroad	1899	.632	.503	1.099	.039	$0.154	.164	.098	.405	$0.246	$0.005
						South Boston.						
D street	West Fifth street to Gold street	1889	$0.302	$0.126	$0.388	$0.284	$0.204	$0.211	$0.240	$0.770	$0.203	.....
E street	West Third street to Bolton street	1892	.213	.025	.225	.056	.075	.018	.229	.....	.389	.....
E street	West Seventh st. to West Eighth st.,	1904	.....	.....	.....	.....	.....	.....	* .056	.....	.....	.....
I street	East Broadway to East Fourth street,	1910	.....	.....	*	.....	.....	.001	.003	.....	.....	.....
Rogers street	Dorchester street to Preble street	1891	.074	.....	.111	.....	.....	.....	.068	.....	.....	.....
West Sixth street	160 feet east of C st. toward D street,	1905	.....	.....	.....	.....	.....	.....	.....	*	.084	.....
West Third street	153 feet west of E street, across E st.,	1892	.117	.007	.134	.002	.016	.....	.067	.174	.020	.....
						Roxbury.						
Cabot street	Tremont street to Ruggles street	1891	$0.078	$0.014	$0.144	$0.178	$0.173	$0.048	$0.107	$0.054	$0.030	$0.193
Cabot street	Easterly side of Ruggles street to Vernon street.	1892	.100	.108	.080	.038	.107	.030	.042	.049	.051	.020

Cabot street	Easterly side of Vernon street to Linden Park street.	1897	.161	.024	.011	.058	.006	.030	.042	.056	.005	.....
Columbus avenue	Northerly side of Camden street to 67 feet north of Station street.	1907	.....	.....	.....	.....	.....	.....	.....	.....	.....	*.100
Roxbury street	Washington street to Guild row	1904	.....	.....	.....	.....	.....	.....	*.024	.117	.....	.144

Cost of Sicilian Rock Asphalt Repairs, 1908–17.

City Proper.

STREET.	Limits.	Year Laid.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
Acton street	Washington street to Bradford street,	1896	$0.129	$0.095	$0.052	$0.021	$0.241	$0.037	$0.037	$0.036	.....	.....
Arch street	Summer street to Franklin street	1901	.....	.....	.....	*.011	.028	.005	.207	†	.....	.....
Ash street	Oak street, across Nassau street	1895	.....	†	.....	.....	.....	.....	.....	.....	.....	.....
Avery street	Washington street to Mason street	1897	.096	.100	.....	.261	.144	.....	†	.....	.....	.....
Barton street	Leverett street to Milton street	1895	.101	.005	.025	.134	.054	.084	.011	.661	.....	$0.099
Beacon street	Arlington street to Dartmouth street,	1901	.....	.....	.....	*.161	.039	.072	.072	.058	$0.041	.059
Boylston street	Arlington street to Berkeley street	1900	.....	.....	*	.329	.154	.020	.....	§	.....	.....
Bradford street	Waltham street to Shawmut avenue	1897	.010	.021	.021	.005	.034	.011	.031	.033	.014	.....
Cobb street	Washington street to Shawmut ave	1897	.008	.....	.047	.....	.032	.....	.024	.....	.....	.....
Decatur street	Washington street to Harrison ave	1892	.460	.094	.379	.404	.283	.187	.127	.064	.449	.519
Dwight street	Shawmut avenue to Tremont street	1893	.005	.025	.028	.012	.050	.280	.043	.001	.066	.008
Essex place	Essex street to Tufts street	1901	.....	.....	.....	*.135	.057	.038	.141	.020	.367	.086

Cost of Sicilian Rock Asphalt Repairs, 1908-17.— *Continued.*

City Proper.— Concluded.

STREET.	Limits.	Year Laid.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
Exeter place	Chauncy street to Harrison avenue	1897	$0.008	.....	$0.074	$0.043	$0.045	$0.025	.....	$0.031	$0.052	.....
Fabin street	Newland street to Ivanhoe street	1895	.008	.....	.....	.....	.....	.058	$0.101	.....	.013	.....
Fay street	Dover street to Harrison avenue	1894	.084	$0.015	.033	.058	.375	.016	.032	.....	.095	$0.430
Hamburg street	Mystic street to Harrison avenue	1896	.010	.010	.....	.011	.....	.089	.039	.....	.008	.....
Hanover street	Tileston street, across Charter street	1896	.234	.137	.344	.771	.310	.486	.187	.379	.451	.490
Harrison avenue	Northampton street to Lenox street	1903	.....	.....	.....	.....	.....	*.043	.054	.305	.....	.104
Huntington avenue	Boston & Albany Railroad to Massachusetts avenue.	1896	.039	.128	.042	.046	.037	.059	.043	.061	.051	.072
India street	Milk street to India square	1901	.....	.....	.....	*	.536	.215	.224	.365	.268	†
Marlborough street	Arlington street to Clarendon street	1901	.....	.....	.....	*.025	.006	.027	.016	.005	.002	.009
Mason street	West street to 213 feet south of West street.	1901	.....	.....	.....	*.505	.104	.055	.061	.059	.053	.....
Massachusetts avenue	Washington street to Harrison avenue (southerly roadway).	1894	.029	.014	.080	.062	.058	.071	.138	.066	.268	.124
Massachusetts avenue	Harrison avenue to Albany street (southerly roadway).	1894	.055	.045	.165	.164	.056	.154	.106	.429	.157	.185
Massachusetts avenue	Huntington avenue to Boylston street,	1901	.....	.....	.....	*.154	.164	.214	.172	.299	.328	.280
Massachusetts avenue	Newbury street to Beacon street	1901	.....	.....	.....	*.341	.617	.395	.237	.310	.029	.155
Mayo street	Castle street to Cobb street	1897	.047	.027	.....	.....	.047	.....	.035	.....	.....	.....
Meander street	East Dedham street to Malden street,	1896	.015	.089	.116	.....	.010	.049	.....	.....	.....	.....

Morton street	Salem street to Endicott street	1901	.....	.....	.....	*	.....	.137	.075	.....	.527	.....
Motte street	Washington street to Harrison avenue,	1892-99	.032	.017	.....	.150	.....	.059	.138	.....	.175	.....
Mystic street	Malden street to East Brookline street,	1895	.027	.010	.131	.017	.006	.037	.072	.011	.....	.....
Newland street	West Brookline st. to West Newton st.,	1902	.....	.....	.....	.....	*	.....	.061	.014	.....	.....
North Margin street	Thacher street, toward Endicott st.	1897	.105	.003	.011	.....	.085	.021	.053	.....	.034	.132
Norwich street	Mystic street to Meander street	1896	.014	.016	.042	.....	.....	.043	.024	.....	.008	.....
Ohio street	Washington st. to Shawmut ave	1896	.088	.093	.096	.009	.254	.....	.119	.....	.....	.....
Otter street	Beacon street to Riverway	1901	.....	.....	.....	*	.016	.003	.015	.....	.003	.....
Pemberton square	Front of Suffolk Courthouse	1894	.013	.....	.017	.029	.....	.....	.006	.....	.....	002
Prince street	Hanover street to Salem street	1895	.073	.021	.093	.812	.225	.409	.189	.314	.298	.283
Salem street	Endicott street, across Prince street	1901	.....	.....	.....	*	.181	.045	.145	.304	.408	.124
Shawmut avenue	132 feet south of Castle street, across Cherry street.	1898	.198	.194	.325	.325	.504	.114	.214	†	.002	.007
Taylor street	Dwight street to Milford street	1896	.020	.....	.084	.012	.046	.024	.069	.....	.061	.....
Tufts street	Kingston street to South street	1901	.....	.....	.....	*.064	.033	.029	.018	.117	.127	.353
Tyler street	Oak street to Harvard street	1901	.....	.....	.....	*.113	.180	.099	.102	.178	.279	.207
Whitmore street	Kneeland street to Harvard street	1895	.026	.018	.137	.....	.055	.035	.....	.....	.038	.....

South Boston.

Athens street	West Second street to A street	1895	.....	$0.073	.....	.....	$0.102	.....	$0.031	$0.056	.....	.....
Athens street	B street to C street	1892	.....	.064	.....	.....	.059	.....	.....	.121	.....	.....
Athens street	C street to D street	1901	.....	.....	.....	*	.172	.....	.....	.226	.....	.....

Cost of Sicilian Rock Asphalt Repairs, 1908-17.— *Concluded.*

South Boston.— Concluded.

STREET.	Limits.	Year Laid.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
Bowen street	C street to E street	1901	.....	.....	.....	*	$0.125	$0.002	$0.021	$0.115	$0.036	.....
East Broadway	Front of Lincoln School	1897	$0.052	.....	$0.071	*	.....	.032	.011	.063	.....	.....
Gold street	B street to D street	1901	.....	.....	.....	*$0.004	.111	.....	.012	.048	.....	.....
K street	East Sixth street to East Eighth street,	1896	.056	$0.094	.215	.050	.....	.443	.049	.130	.221	.....
Silver street	B street to D street	1901	.....	.....	.....	*	.193	.....	.047	.033	.008	.....
Tudor street	C street to D street	1901	.....	.....	.....	*	.193	.....	.008	.....	.....	.....
West Broadway	From 196 feet east of easterly line of Dorchester avenue to A street.	1892	.274	.271	.352	.366	.105	.271	.307	.559	.495	$0.656
West Broadway	Gardner place to 150 feet easterly	1893	.440	.298	.489	.306	.312	.221	.428	352	.433	.....
West Broadway	150 feet west of F street to 267 feet east of F street.	1897	.133	.049	.143	.117	.099	.059	.121	.145	.....	.....
West Broadway	267 feet east of F street to 28 feet west of Dorchester street.	1898	.037	.035	.084	.081	.022	.082	.132	.021	.319	.117

Roxbury.

Dudley street	East side of Dunmore street to Magazine street.	1902	.....	.....	.....	.....	*	$0.091	$0.114	.....	$0.138	.....
Huntington avenue	Massachusetts avenue to Gainsborough street.	1896	$0.038	$0.171	$0.015	$0.053	.....	.012	.033	$0.020	.117	$0.093

East Boston.

Meridian street	Trenton street to Eutaw street	1900	.....	.....	*	$0.243	.....	$0.169	.....	.....	$0.652	.....

Charlestown.

Lawrence street	East side of Lawrence avenue, across Miller street.	1901	.....	.....	.....	*	.....	$0.036	$0.031	.....	$0.014	.....
Miller street	Main street to Lawrence street	1901	.....	.....	.....	*	.....	.231	.027	.....	.032	.....
Warren street	Winthrop street, across Soley street	1901	.....	.....	.....	*	$0.293	.543	.517	$0.663	626	†

Cost of Seyssel Rock Asphalt Repairs, 1908–17.

Street.	Limits.	Year Laid.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
Genesee street	Harrison avenue to Albany street	1899	$0.010	$0.084	$0.069	$0.040	$0.127	$0.042	$0.205	$0.004	$0.048	$0.442
Mason street	444 feet south of West street to Avery street.	1899	.086	†.025	.....	.....	.....	.....	.....	.....	.....	.....
Mason street	545 feet south of West street to 555 feet south of West street.	1899	.....	.....	.....	.....	.....	.127	.049	.....	.140	.....
Milton street	Brighton street to Spring street	1899	.....	.....	.026	.052	.....	.058	.....	.099	.....	.053
Oswego street	Harrison avenue to Albany street	1899	.022	.032	.041	.038	.075	.010	.082	.025	.050	.....
Paul street	Emerald street to Village street	1897–99	.077	.....	.056	.299	*.042	.017	.081	.....	.198	.693
Paul street	Village street to Tremont street	1897–99	.094	.040	.138	.175	.065	.069	.083	.....	.240	.....
Pelham street	Washington street to Shawmut ave	1897	.042	.078	.027	.028	.193	.105	.290	.145	.....	†
Waterford street	Washington street to Shawmut ave	1897	.093	.047	.131	.184	.168	.....	.190	.....	.....	.....

* Guaranty expired. † Repaved. ‡ Part repaved. § Repaved with wood block.

Cost of Acme Asphalt Repairs, 1914-17.

STREET.	Limits.	Year Laid.	1914.	1915.	1916.	1917.
Ash street	Nassau street to Oak street	1909	*	.....	.....	$0.027
Court square	East roadway, 20 feet north of Williams court to south of Williams court; south roadway from east roadway to west roadway, and west roadway from 291 feet south of Court street to 266 feet south of Court street.	1913	.....	.....	$0.022	.116
Harrison avenue	Malden street to East Dedham street	1909	*	.....	.....	.168
Massachusetts avenue	Tremont street to Columbus avenue	1910	.....	*	.003	.062
Massachusetts avenue	Boylston street to Boston & Albany Railroad Bridge	1909	* $0.034	$0.633	.105	.058
Massachusetts avenue	Shawmut avenue to Tremont street	1910	.....	*	.004	.034
Massachusetts avenue	Washington street to Shawmut avenue	1910	.....	*	.006	.085
Wheeler street	Shawmut avenue to Corning street	1909	*	.....	.022	.....

Summary of Table Showing the Cost of Asphalt Repairs, 1908-17.

Year.	Contract Awarded to	Contract Prices.			Areas and Cost.			
		Asphalt Surface and Binder per Square Yard.	Concrete Base per Square Yard.	Extra Binder per Cubic Yard.	Total Area Not Under Guaranty Maintained by the City. Square Yards.	Cost of Maintenance for Current Year.	Unit Area Repaired.	Unit Cost per Square Yard.
1908	Warren Brothers Company *	$1 73	$0 75	$7 50	135,676	$15,793 80	.0667	$0 116
1909	Jones & Meehan *	1 62	75	8 00	131,688	9,945 24	.0463	076
1910	Barber Asphalt Paving Company *	1 49	1 00	8 00	139,829	15,632 74	.0742	112
1911	Warren Brothers Company *	1 34	1 00	9 00	218,007	27,504 52	.0930	125
1912	Warren Brothers Company *	1 24	1 10	11 00	223,848	26,397 97	.0933	118
1913	Warren Brothers Company *	1 37	1 15	11 00	226,837	22,839 01	.0729	101
1914	Central Construction Company *	1 19	1 00	11 00	237,204	23,384 52	.0821	099
1915	Central Construction Company *	1 06	1 00	11 00	238,545	40,633 82	.1550	170
1916	Central Construction Company *	1 16	2 50	4 00	280,268	25,941 25	.0796	093
1917	Central Construction Company *	1 37	2 50	12 00	299,822	29,883 29	.0729	102
1917	Warren Brothers Company †					838 44		

* Advertised and awarded to lowest bidder.

† By agreement.

Cost of Bitulithic Repairs, 1908-17.

STREET.	Limits.	Year Laid.	1908.	1909.	1910.	1911.	1912.	1913.	1914.	1915.	1916.	1917.
Allen street	Chambers street to Blossom street	1905	.....	.....	.....	.....	.....	.....	.....	*	.....	$0.017
Ashburton place	Bowdoin street to Somerset street	1904	.....	.....	.....	.....	.....	.....	*	.....	.....	.023
Belvidere street	West Newton street to Massachusetts avenue.	1903	.....	.....	.....	.....	.....	$0.078*	$0.034	$0.768	.....	.004
Berkeley street	Boylston street to Beacon street	1903	.....	.....	.....	.....	.....	*.005	.001	.005	.....	.025
Blue Hill avenue	Dewey street to Savin street	1906	.....	.....	.....	.....	.....	.....	.....	.....	*	†
Bowdoin street	Ashburton place to Cambridge street,	1902	.....	.....	.....	.....	*	.164	.075	.219	.....	.016
Boylston street	Massachusetts avenue to Hemenway street.	1905	.....	.....	.....	.....	.....	.....	.....	*	.....	.654
Clarendon street	Boylston street to Beacon street	1905	.....	.....	.....	.....	.....	.....	.....	* .011	.....	.003
Dartmouth street	Newbury street to Beacon street	1903	.....	.....	.....	.....	.....	*	.001	.049	.....	.....
Emerald street	Castle street to Dover street	1904	.....	.....	.....	.....	.....	.....	* .004	.005	.....	.....
Florence street	Washington street to Harrison avenue	1905	.....	.....	.....	.....	.....	.....	.....	.....	*	†
Gainsborough street	Huntington avenue to N. Y., N. H. & H. R. R.	1903	.....	.....	.....	.....	.....	*	.032	.....	.....	.....
Garden Court street	North street to Fleet street	1906	.....	.....	.....	.....	.....	.....	.....	.....	*	.090
Hancock street	Mt. Vernon street to Cambridge street,	1902	.....	.....	.....	.....	*	.009	.027	.167	.....	. 001
Harrison avenue	East Springfield street to Northampton street.	1905	.....	.....	.....	.....	.....	.....	.....	*	$0.279	.779
Huntington avenue	Dartmouth street to 84 feet north of Boston & Albany Bridge.	1906	.....	.....	.....	.....	.....	.....	.....	.....	*	.042

Massachusetts avenue....	Columbus avenue to Huntington avenue.	1903	.....	.....	.....	.....	.....	* .094	.092	.834	.051	.087
Massachusetts avenue....	Beacon street to Harvard Bridge.....	1902	.....	.....	.....	.....	*	.300	.127	.843	.017	.053
Maverick street.....	London street to Havre street.....	1903	.....	.....	.....	.....	.....	* .013	.....	.....	.023	.....
McLean street.....	Chambers street to Blossom street.....	1905	.....	.....	.....	.....	.....	.....	.....	*	.....	.025
Moon street.....	Lewis street to Fleet street.....	1906	.....	.....	.....	.....	.....	.....	.....	.....	*	.072
North square.....	North street to Moon street.....	1906	.....	.....	.....	.....	.....	.....	.....	.....	*	.054
Oneida street.....	Harrison avenue to Albany street.....	1903	.....	.....	.....	.....	.....	*	.005	.038	.127	.012
Prince street.....	Garden Court street to Hanover street,	1906	.....	.....	.....	.....	.....	.....	.....	.....	*	.272
Roxbury street.....	Shawmut avenue to Kent street.....	1904	.....	.....	.....	.....	.....	.....	* .005	.....	.442	.....
Smith street.....	St. Alphonsus street to Phillips street..	1904	.....	.....	.....	.....	.....	.....	* .040	.....	.....	†
St. Alphonsus street.....	Tremont street, across Smith street....	1905	.....	.....	.....	.....	.....	.....	.....	*	.....	.091
Tremont street.....	St. Alphonsus street to Phillips street,	1902	.....	.....	.....	.....	*	.042	.018	.....	.....	.337
Tyler street.....	Beach street to Harvard street.....	1905	.....	.....	.....	.....	.....	.....	.....	*	.....	†
West Newton street.....	Tremont street to Columbus avenue,	1904	.....	.....	.....	.....	.....	.....	* .003	.100	.....	.....
West Newton street.....	Columbus avenue to Huntington avenue.	1903	.....	.....	.....	.....	.....	* .014	.062	.098	.....	†
West Newton street.....	Huntington avenue, across Belvidere street.	1903	.....	.....	.....	.....	.....	* .014	.046	.653	.....	.....

* Guaranty expired in this year.

† Resurfaced.

Summary of Table Showing Cost of Bitulithic Repairs, 1913-17.

Year.	Contract Awarded to	Contract Prices.					Areas and Cost.			
		Bitulithic Full Depth Patches per Square Yard.	Bitulithic Surface Patches per Square Yard.	Concrete Base per Square Yard.	Extra Binder per Cubic Yard.	Flush Coat per Square Yard.	Total Area Not Under Guaranty Maintained by the City. Square Yards.	Cost of Maintenance for Current Year.	Unit Area Repaired.	Unit Cost per Square Yard.
1913.....	Warren Brothers Co.*.....	$1 37	†$0 80	$1 15	$11 00	.....	40,888	$1,625 60	.0309	$0.040
1914.....	Central Construction Co.*....	1 09	52	1 00	11 00	†$0 07	62,315	1,417 89	.0531	.023
1915.....	Central Construction Co.*....	1 06	50	1 00	11 00	†07	83,473	10,396 54	.1685	.125
1916.....	Central Construction Co.*....	1 11	50	2 50	4 00	.....	98,298	1,666 65	.0129	.018
1917.....	Central Construction Co.*....	1 37	77	2 50	12 00	.....	103,973	1,335.99	.0304	.036
1917.....	Warren Brothers Co.†.....							2,382.04		

* Advertised and awarded to lowest bidder.

† By agreement.

LIST OF STREETS HAVING A SMOOTH PAVEMENT.

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
A street (South Boston)	15 feet northeast of West Broadway to West Broadway.				
	Acme asphalt. Laid by Warren Brothers Company	15	47	1917	Oct. 18, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		8	1917	Oct. 18, 1922.
A street (South Boston)	West Broadway to 15 feet southwest of West Broadway.				
	Acme asphalt. Laid by Warren Brothers Company	15	45	1917	Oct. 18, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		8	1917	Oct. 18, 1922.
Academy Hill road (Brighton)	At Washington street. Bitulithic. Laid by Warren Brothers Company	3	17	1913	Oct. 24, 1918.
Acton street (city proper)	10 feet west of Washington street to 6 feet east of Bradford street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	243	329	1896	
Acton street (city proper)	6 feet east of Bradford street to Bradford street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	6	8	1897	
Adams street (Roxbury)	Each side of Eustis street. Bitulithic. Laid by John F. Beatty	2	8	1914	Sept. 4, 1919.
Adams street (Roxbury)	At Dudley street. Mack brick block. Laid by James Doherty	7	20	1910	
Albany street (city proper)	82 feet north of Broadway to 27 feet north of Broadway. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	55	204	1899	
Albany street (city proper)	27 feet north of Broadway to 13 feet north of the south side of Way street. Pine wood block. Laid by New York, New Haven & Hartford Railroad Company.	55	204	1913	
Albany street (city proper)	7 feet north of Stoughton street to 8 feet north of Massachusetts avenue. Pine wood block. Laid by Bernard E. Grant.	975	5,950	1917	
Albany street (city proper and Roxbury)	9 feet south of Massachusetts avenue to 32 feet north of Southampton street. Pine wood block. Laid by Bernard E. Grant.	238	1,446	1917	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Albany street (Roxbury)	44 feet south of Hampden street to Eustis street. Bitulithic. Laid by Warren Brothers Company.	1,613	4,900	1907	
Algonquin street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	3	11	1913	Oct. 21, 1918.
Allen street (city proper)	Charles street to 2 feet east of Charles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	2	6	1909	
Allen street (city proper)	2 feet east of Charles street to 18 feet east of Blossom street. Mexican asphalt (macadam base). Laid by Central Construction Company.	786	2,099	1917	
Allen street (city proper)	18 feet east of Blossom street to Chambers street. Bitulithic. Laid by Warren Brothers Company.	507	1,300	1905	
Allston street (Brighton)	Brighton avenue to 10 feet south of Brighton avenue. Aztec asphalt (macadam base). Laid by the Bermudez Company.	10	40	1917	Dec. 7, 1922.
Allston street (Brighton)	North street line of Commonwealth avenue to the south street line of Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	129	344	1917	
Andrews street (city proper)	East Dedham street to East Canton street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	201	290	1899	
Appleton street (city proper)	4 feet east of Berkeley street to Berkeley street. Bitulithic. Laid by Warren Brothers Company.	4	18	1906	
Appleton street (city proper)	Berkeley street to 4 feet west of Berkeley street. Bitulithic. Laid by Warren Brothers Company.	4	18	1906	
Appleton street (city proper)	4 feet west of Berkeley street to 3 feet east of Clarendon street.				
	Acme asphalt (macadam base). Laid by Warren Brothers Company	564	2,180	1916	Nov. 5, 1921.
	Bessemer brick block gutters. Laid by Warren Brothers Company		314	1916	Nov. 5, 1921.

Appleton street (city proper).....	3 feet east of Clarendon street to Clarendon street. Bitulithic. Laid by Warren Brothers Company.	3	15	1914	Sept. 25, 1919.
Appleton street (city proper).....	Clarendon street to 3 feet west of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	3	14	1914	Sept. 25, 1919.
Appleton street (city proper).....	3 feet west of Clarendon street to 8 feet east of Dartmouth street.				
	Acme asphalt (macadam base). Laid by Warren Brothers Company.....	557	2,151	1916	Nov. 5, 1921.
	Bessemer brick block gutters. Laid by Warren Brothers Company.....		310	1916	Nov. 5, 1921.
Appleton street (city proper).....	8 feet west of Dartmouth street to 91 feet east of West Canton street.				
	Acme asphalt (macadam base). Laid by Warren Brothers Company.....	293	1,140	1916	Nov. 5, 1921.
	Bessemer brick block gutters. Laid by Warren Brothers Company.....		163	1916	Nov. 5, 1921.
Appleton street (city proper).....	91 feet east of West Canton street to 10 feet east of Columbus avenue. Bitulithic. Laid by Fred S. & A. D. Gore Corporation.	177	1,163	1912	
Appleton street (city proper).....	10 feet east of Columbus avenue to Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	10	95	1906–07	
Arch street (city proper).....	Milk street to Franklin street. Residual asphalt. Laid by Central Construction Company.	416	1,203	1915	
Arch street (city proper).....	9 feet south of Franklin street to 12 feet north of Summer street. Residual asphalt. Laid by Central Construction Company.	382	1,303	1915	
Arch street (city proper).....	12 feet north of Summer street to Summer street. Pine wood block. Laid by Northern Construction Company.	12	63	1915	Aug. 16, 1920.
Arch street (city proper).....	Near Summer street. Trinidad asphalt. Laid by Northern Construction Company.	.....	150	1915	July 28, 1920.
Ardent street (West Roxbury).....	Colberg avenue to Belgrade avenue. Aztec asphalt. Laid by Central Construction Company.	290	840	1916	Aug. 16, 1921.
Arlington street (city proper).....	13 feet south of Boylston street to Boylston street. Pine wood block. Laid by Clark & Gore.	13	60	1915	Oct. 9, 1920.
Arlington street (city proper).....	Boylston street to 18 feet north of Boylston street. Pine wood block. Laid by Clark & Gore.	18	100	1915	Oct. 9, 1920.
Arlington street (city proper).....	18 feet north of Boylston street to Beacon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	1,300	7,251	1901	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Ash street (city proper)	Bennet street to north side of Nassau street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	226	440	1905	
Ash street (city proper)	North side of Nassau street to 6 feet north of Oak street. Acme asphalt. Laid by Warren Brothers Company.	216	379	1909	
Ashburton place (city proper)	Somerset street to 55 feet east of Bowdoin street. Bitulithic. Laid by Warren Brothers Company.	278	665	1904	
Ashburton place (city proper)	55 feet east of Bowdoin street to Bowdoin street. Bitulithic. Laid by Warren Brothers Company.	48	111	1911	
Ashby street (Brighton)	At Commonwealth avenue. Pine wood block. Laid by Clark & Gore	19	75	1915	Sept. 2, 1920.
Aspinwall road (Dorchester)	Talbot avenue to 22 feet east of Talbot avenue. Mack brick block. Laid by James Doherty.	22	98	1911	
Aspinwall road (Dorchester)	22 feet east of Talbot avenue to 29 feet east of Talbot avenue. Mack brick crosswalk. Laid by James F. Murphy.	7	37	1907	
Aspinwall road (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	56	1913	Oct. 21, 1918.
Astor street (Roxbury)	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	4	13	1901	
Athens street (South Boston)	West Second street to A street. Sicilian rock asphalt; bituminous concrete base. Laid by Boston Asphalt Company.	614	902	1895	
Athens street (South Boston)	B street to C street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	503	726	1892	
Athens street (South Boston)	C street to D street. Sicilian rock asphalt. Laid by Jones & Meehan	508	734	1901	
Atkins street (Brighton)	Washington street to 27 feet north of Justin road. Mexican asphalt. Laid by Central Construction Company.	618	1,490	1917	July 18, 1922.

Atwill road (West Roxbury)	At Richwood street. Topeka. Laid by Central Construction Company	7	18	1917	
Auburn street (city proper)	8 feet south of Leverett street to Chambers street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	247	556	1911	
Auburn street (city proper)	Chambers street to Poplar street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	367	764	1911	
Auburn street (Roxbury)	Ruggles street to 7 feet south of Ruggles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	7	20	1907	
Auburn street (Roxbury)	7 feet north of Vernon street to Vernon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	7	20	1907	
Austin street (Charlestown)	8 feet west of Seminary place to 5 feet east of Lawrence street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	143	413	1891	
Avenue Louis Pasteur (Roxbury)	121 feet north of Longwood avenue to Longwood avenue. Mack brick block. Laid by James Doherty.	121	1,244	1910	
Avery street (city proper)	Washington street to 10 feet west of Washington street. Pine wood block. Laid by Coleman Brothers.	10	30	1914	Nov. 6, 1919.
Avery street (city proper)	10 feet west of Washington street to Tremont street. Bitulithic. Laid by Coleman Brothers.	415	1,200	1914	Nov. 6, 1919.
Avon street (city proper)	Washington street to 9 feet east of Washington street. Black gum wood block. Laid by United States Wood Preserving Company.	9	20	1906	
Avon street (city proper)	9 feet east of Washington street to Chauncy street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	428	1,061	1901	
B street (South Boston)	14 feet northeast of West Broadway to West Broadway.				
	Acme asphalt. Laid by Warren Brothers Company	14	45	1917	Oct. 18, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		8	1917	Oct. 18, 1922.
Bardwell street (West Roxbury)	South street to Ballard street. Mexican asphalt. Laid by Central Construction Company.	623	1,328	1917	June 13, 1922.
Barton court (city proper)	Barton street to Brighton street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	134	182	1904	
Barton street (city proper)	Leverett street to Chambers street and Chambers street to 5 feet north of Milton street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	380	645	1895	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Barton street (city proper).....	5 feet north of Milton street to Milton street. Seyssel rock asphalt. Laid by Jones & Meehan.	5	8	1899	
Batterymarch street (city proper).....	93 feet west of Broad street to 7 feet east of Milk street. American rock asphalt. Laid by Jones & Meehan.	206	659	1909	
Batterymarch street (city proper).....	7 feet east of Milk street to Milk street. Pine wood block. Laid by James Doherty.	7	21	1911	
Batterymarch street (city proper).....	Milk street to 7 feet west of Milk street. Pine wood block. Laid by James Doherty.	7	21	1911	
Batterymarch street (city proper).....	7 feet west of Milk street to Liberty square. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	143	445	1896	
Beacon street (city proper).....	Tremont street to 12 feet west of Tremont street. Pine wood block. Laid by Bernard E. Grant.	12	43	1917	Oct. 21, 1922.
Beacon street (city proper).....	21 feet west of Park street to Charles street. Topeka (macadam base). Laid by Bernard E. Grant.	1,688	6,167	1917	Nov. 15, 1922.
Beacon street (city proper).....	Charles street to 6 feet west of Arlington street (south side). Trinidad asphalt. Laid by Barber Asphalt Paving Company.	.....	2,108	1901	
Beacon street (city proper).....	Charles street to east side of Brimmer street (north side). Trinidad asphalt. Laid by Barber Asphalt Paving Company.	495	2,228	1891	
Beacon street (city proper).....	Easterly side of Brimmer street to 6 feet west of Arlington street (north side). American rock asphalt. Laid by Jones & Meehan.	364	1,519	1908	July 3, 1918.
Beacon street (city proper).....	6 feet west of Arlington street to 5 feet east of Dartmouth street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	1,851	9,906	1900-01	
Beacon street (city proper).....	5 feet east of Dartmouth street to easterly side of Hereford street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	2,285	12,134	1909	

Beacon street (city proper)	Easterly side of Hereford street to Massachusetts avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	703	3,754	1907	
Beacon street (city proper and Roxbury).	Massachusetts avenue to 10 feet east of Raleigh street. Pine wood block. Laid by Central Construction Company		2,229	1913	
	Black gum wood blocks in tracks. Laid by United States Wood Preserving Company.		2,511	1901	
Beacon street (city proper and Roxbury).	Massachusetts avenue to 10 feet east of Raleigh street. Pine wood block. Laid by United States Wood Preserving Company.	1,517	3,352	1901	
Beacon street (Roxbury)	Commonwealth avenue to east side of bridge over the Boston & Albany Railroad. Aztec asphalt. Laid by Bermudez Company.	800	2,100	1917	Unfinished.
Beacon street (Brighton)	West side of Cleveland circle (Chestnut Hill avenue) to 1,011 feet west of east street line of Reservoir lane. Concrete road (25 feet wide). Laid by city force.	3,260	9,055	1917	
Beacon street (Brighton)	1,011 feet west of east street line of Reservoir lane to Newton line. Concrete road. Laid by city forces.	2,308	6,411	1916	
Belvidere street (city proper and Roxbury).	West Newton street to 3 feet east of Massachusetts avenue. Bitulithic. Laid by Warren Brothers Company.	1,324	4,025	1902–03	
Belvidere street (Roxbury)	3 feet east of Massachusetts avenue to Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	3	12	1901	
Bennet street (city proper)	Ash street to Harrison avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	248	469	1905	
Bennington street (East Boston)	Bridge over Boston & Albany Railroad. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	60	507	1906	
Benton street (Roxbury)	At Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	27	69	1906–07	
Berkeley street (city proper)	Tremont street to Columbus avenue. Bitulithic. Laid by Warren Brothers Company.	1,195	4,663	1906	
Berkeley street (city proper)	156 feet south of Boylston street to 38 feet south of Boylston street. (East side.) Trinidad asphalt. Laid by Barber Asphalt Paving Company,	113	248	1906	
	(West side.) Trinidad asphalt. Laid by Barber Asphalt Paving Company.		200	1902	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Berkeley street (city proper)	38 feet south of Boylston street to 15 feet south of Boylston street. Trinidad asphalt. Laid by Coleman Brothers.	23	75	1914	Nov. 3, 1919.
Berkeley street (city proper)	15 feet south of Boylston street to Boylston street. Pine wood block. Laid by Coleman Brothers.	15	92	1914	Nov. 3, 1919.
Berkeley street (city proper)	Boylston street to 15 feet north of Boylston street. Pine wood block. Laid by Coleman Brothers.	15	66	1914	Nov. 3, 1919.
Berkeley street (city proper)	15 feet north of Boylston street to 119 feet north of Boylston street. Bitulithic. Laid by Coleman Brothers in 1914; Warren Brothers in 1903.	104	430 32	1914 1903	Nov. 3, 1919.
Berkeley street (city proper)	119 feet north of Boylston street to south street line of Commonwealth avenue. Bitulithic. Laid by Warren Brothers Company.	448	1,992	1903	
Berkeley street (city proper)	South street line of Commonwealth avenue to north street line of Commonwealth avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	200	879	1916	Nov. 22, 1921.
Berkeley street (city proper)	North street line of Commonwealth avenue to 3 feet south of Marlborough street. Bitulithic. Laid by Warren Brothers Company.	262	1,164	1903	
Berkeley street (city proper)	East side of Marlborough street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	5	25	1901	
Berkeley street (city proper)	North side of Marlborough street to Beacon street. Bitulithic. Laid by Warren Brothers Company.	262	1,164	1903	
Bernard street (Dorchester)	At Talbot avenue (crosswalks). Mack brick block. Laid by James Doherty.	23	155	1911	
Bickford street (Roxbury)	At Heath street. Mack brick block. Laid by Field, Barker & Uunderwood, Inc.	8	23	1910	
Binney street (Roxbury)	At Longwood avenue. Mack brick block. Laid by Field, Barker & Underwood, Inc.	8	32	1910	

Birch street (West Roxbury)	Penfield street to 6 feet east of Albano street. Bitulithic. Laid by A. H. Archer.	346	898	1915	Sept. 30, 1920.
Birch street (West Roxbury)	6 feet west of Albano street to 416 feet west of Albano street. Bitulithic. Laid by A. H. Archer.	410	1,048	1915	Sept. 30, 1920.
Bird street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	29	1910–11	
Blagden street (city proper)	Huntington avenue to Exeter street. Bitulithic. Laid by Fred S. & A. D. Gore Corporation.	489	1,882	1912	
Blake street (Dorchester)	North side of Randolph road to 109 feet south of Randolph road. Mexican asphalt. Laid by Central Construction Company.	148	415	1917	July 20, 1922.
Blandford street (Roxbury)	At Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	14	45	1917	
Blossom street (city proper)	1 foot south of Parkman street to Parkman street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	1	3	1908	
Blossom street (city proper)	Parkman street to Allen street.				
	Acme asphalt. Laid by Warren Brothers Company	508	1,237	1917	Nov. 15, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		261	1917	Nov. 15, 1922.
Blue Hill avenue (Roxbury)	At Dudley street. Mack brick block. Laid by James Doherty	9	41	1910	
Blue Hill avenue (Roxbury)	9 feet south of Dewey street to 12 feet north of Savin street. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	577	1,450	1917	
Blue Hill avenue (Roxbury)	Brunswick street to north side of Devon street. Bitulithic. Laid by Warren Brothers Company.	199	509	1906	
Blue Hill avenue (Roxbury)	West side of Seaver street. Acme asphalt (macadam base). Laid by Warren Brothers Company.	.....	346	1917	Sept. 17, 1922.
Bolton street (South Boston)	C street to D street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	501	724	1905	
Bond street (city proper)	Hanson street to Milford street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	182	404	1895	
Boston street (South Boston)	4 feet north of Ralston street to New York, New Haven & Hartford Railroad Bridge. Pine wood block. Laid by National Safety Wood Preserving Company.	193	531	1911	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Bosworth street (city proper)	At Tremont street. Pine wood block. Laid by Coleman Brothers	13	28	1915	June 20, 1920.
Bowdoin street (city proper)	Beacon street to south side of Ashburton place. Canton block. Brick block.	380	1,013	1902	
Bowdoin street (city proper)	North side of Ashburton place to 17 feet south of Cambridge street. Bitulithic. Laid by Warren Brothers Company.	837	2,205	1902	
Bowdoin street (Dorchester)	96 feet west of Winter street to Hancock street. Mack brick block. Laid by Central Construction Company.	310	1,438 993	1910–11 1913	Sept. 12, 1918.
Bowdoin street (Dorchester)	Quincy street to 78 feet west of Mt. Ida road. Pine wood block. Laid by James Doherty.	336	1,885	1909	
Bowdoin street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	14	100	1912	Oct. 21, 1918.
Bowen street (South Boston)	C street to D street. Sicilian rock asphalt. Laid by Jones & Meehan	509	735	1901	
Bowen street (South Boston)	D street to E street. Sicilian rock asphalt. Laid by Jones & Meehan	514	742	1901	
Bowen street (South Boston)	E street to F street. Bitulithic. Laid by Warren Brothers Company	500	722	1903	
Bowen street (South Boston)	At Dorchester street. Bitulithic. Laid by Warren Brothers Company	4	6	1905	
Boylston street (city proper)	Washington street to Tremont street. Pine wood block. Laid by Warren Brothers Company.	479	2,000	1917	Aug. 15, 1922.
Boylston street (city proper)	Tremont street to 9 feet west of Tremont street. Pine wood block. Laid by Bernard E. Grant.	9	48	1917	Nov. 15, 1922.
Boylston street (city proper)	9 feet west of Tremont street to the west street line of Boylston place. Pine wood block. Laid by Fred S. Gore.	352	1,326	1915	April 1, 1920.
Boylston street (city proper)	West street line of Boylston place to 89 feet east of Carver street. Pine wood block. Laid by United States Wood Preserving Company.	155	569	1901	
Boylston street (city proper)	89 feet east of Carver street, across Arlington street. Pine wood block. Laid by Clark & Gore.	1,192	8,883	1915	Oct. 9, 1920.

Boylston street (city proper).....	Arlington street, across Berkeley street. Pine wood block. Laid by Coleman Brothers.	776	4,251	1914	Nov. 3, 1919.
Boylston street (city proper).....	Berkeley street, across Clarendon street. Pine wood block. Laid by Coleman Brothers.	612	3,400	1914	Nov. 3, 1919.
Boylston street (city proper).....	At Huntington avenue. Bitulithic. Laid by Coleman Brothers.....	.....	68	1914	Nov. 3, 1919.
Boylston street (city proper).....	Clarendon street, across Dartmouth street. Pine wood block. Laid by Coleman Brothers.	650	3,543	1914	Nov. 3, 1919.
Boylston street (city proper).....	Dartmouth street to east side of Exeter street. Pine wood block. Laid by Coleman Brothers.	548	3,044	1914	Nov. 3, 1919.
Boylston street (city proper).....	At Exeter street (in tracks). Pine wood block. Laid by Coleman Brothers,	.....	68	1914	Nov. 3, 1919.
Boylston street (city proper).....	East side of Exeter street to 107 feet west of Exeter street. Bitulithic. Laid by Coleman Brothers.	144	417	1914	Nov. 3, 1919.
Boylston street (city proper and Roxbury).	107 feet west of Exeter street to 8 feet east of Hereford street. Bitulithic. Laid by Warren Brothers Company.	1,501	5,481	1913	Aug. 13, 1918.
Boylston street (Roxbury).....	14 feet west of St. Cecilia street to 5 feet east of Massachusetts avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	221	778	1904	
Boylston street (Roxbury).....	5 feet east of Massachusetts avenue to Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	5	17	1901	
Boylston street (Roxbury).....	Massachusetts avenue to 3 feet west of Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	3	12	1901	
Boylston street (Roxbury).....	3 feet west of Massachusetts avenue to westerly street line of Hemenway street. Bitulithic. Laid by Warren Brothers Company.	387	1,384	1905	
Bradford street (city proper).....	Waltham street to Shawmut avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	583	1,233	1897	
Bradlee street (Dorchester).....	At Washington street. Pine wood block. Laid by William J. Barry.....	3	11	1913	Oct. 21, 1918.
Brattle square (city proper).....	7 feet north of Brattle street to 6 feet south of Elm street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	268	683	1888	
Brighton avenue (Brighton).....	Street line of Commonwealth avenue to 2 feet east of Harvard avenue. Asten asphalt (macadam base). Laid by Bermudez Company.	1,895	9,284	1917	Dec. 7, 1922.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Brighton avenue (Brighton)	2 feet east of Harvard avenue to 1 foot west of Harvard avenue. Bitulithic. Laid by Coleman Brothers	37	230	1914	Aug. 7, 1919.
	Pine wood block (street car tracks). Laid by Coleman Brothers	6	89	1914	Aug. 7, 1919.
Brighton avenue (Brighton)	1 foot west of Harvard avenue to Cambridge street. Astec asphalt (macadam base). Laid by Bermudes Company.	1,243	6,637	1917	Dec. 7, 1922.
Brighton street (city proper)	Between Leverett street and Poplar street (not including next item). Trinidad asphalt. Laid by Barber Asphalt Paving Company.	599	809	1892	
Brighton street (city proper)	Between Leverett street and Chambers street. Acme asphalt. Laid by Warren Brothers Company.	.....	523	1908	
Brighton street (city proper)	Poplar street to 7 feet north of Allen street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	233	488	1892	
Brighton street (city proper)	7 feet north of Allen street to Allen street. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	7	27	1917	
Brimmer street (city proper)	Beacon street to center of Byron street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	116	322	1895	
Brimmer street (city proper)	Center of Byron street to Chestnut street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	180	536	1906	
Brimmer street (city proper)	Chestnut street to Pinckney street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	791	2,442	1895	
Brinsley street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	5	26	1912	Oct. 21, 1918.
Broadway (city proper)	Albany street to 105 feet west of Albany street. Pine wood block. Laid by New York, New Haven & Hartford Railroad Company.	106	611	1913	
Broadway (city proper and South Boston).	Drawbridge over Fort Point channel. Pine wood block. Laid by Boston Bridge Works.	210	934	1914	

Bromfield street (city proper).....	At Tremont street. Pine wood block. Laid by Coleman Brothers.....	12	31	1915	June 20, 1920.
Brooks street (Brighton).....	Bridge over Boston & Albany Railroad (central roadway). Sicilian rock asphalt. Laid by Boston Asphalt Company.	.....	130	1902	
Browning avenue (Dorchester).....	Bernard street to Wales street. Bitulithic. Laid by H. J. McGuire.....	791	2,284	1914	Dec. 16, 1919.
Brunswick street (Roxbury and Dorchester).	Blue Hill avenue to Normandy street. Astec asphalt. Laid by Central Construction Company.	638	1,849	1916	Sept. 18, 1921.
Buckingham street (city proper).....	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	4	13	1906	
Bunker Hill street (Charlestown).....	At Tufts street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	.....	161	1897	
Burke street (Roxbury).....	At Columbus avenue. Bermudes asphalt. Laid by Boston Asphalt Company.	26	66	1906	
Burroughs street (West Roxbury).....	At Centre street. Bitulithic. Laid by Warren Brothers Company.....	2	12	1913	Nov. 25, 1918.
C street (South Boston).....	13 feet northeast of West Broadway to West Broadway.				
	Acme asphalt. Laid by Warren Brothers Company.....	13	44	1917	Oct. 18, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company.....		7	1917	Oct. 18, 1922.
Cabot street (Roxbury).....	180 feet west of Tremont street to Ruggles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	1,236	3,571	1891	
Cabot street (Roxbury).....	Easterly side of Ruggles street to 7 feet east of Vernon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	716	2,967	1892	
Cabot street (Roxbury).....	7 feet east of Vernon street to 7 feet north of Linden Park street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	477	1,376	1897	
Cabot street (Roxbury).....	7 feet north of Linden Park street to Linden Park street. Mack brick block. Laid by J. E. Burns & Co.	7	35	1909	
Callender street (Dorchester).....	51 feet west of Carlos street to 17 feet east of Blue Hill avenue. Trinidad asphalt. Laid by D. M. Biggs & Co.	1,241	3,988	1915	Sept. 15, 1920.
Cambridge street (Brighton).....	At Brighton avenue. Astec asphalt (macadam base). Laid by Bermudes Company.	.....	250	1917	Dec. .7, 1922.
Cambridge street (Brighton).....	224 feet west of Elko street to Washington street. Bitulithic. Laid by Warren Brothers Company.	169	1,400	1913	Oct. 24, 1918.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Cambridge street (Brighton)	224 feet west of Elko street to Washington street. (Brows to street car rails.) Pine wood block. Laid by Warren Brothers Company.	.....	38	1913	Oct. 24, 1918.
Camden street (city proper)	Both sides of Columbus avenue (crosswalks). Bermudes asphalt. Laid by Boston Asphalt Company.	18	68	1906	
Capen street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	8	25	1914	July 11, 1919.
Carleton street (city proper)	At West Newton street. Bitulithic. Laid by Central Construction Company,	2	4	1917	
Carolina avenue (West Roxbury)	At South street. Bitulithic. Laid by Warren Brothers Company	1	3	1913	Nov. 25, 1918.
Carver street (city proper)	Boylston street to 12 feet south of Boylston street. Pine wood block. Laid by Clark & Gore.	12	27	1915	Oct. 9, 1920.
Carver street (city proper)	14 feet north of Pleasant street to Pleasant street. Pine wood block. Laid by Coleman Brothers.	14	63	1913	Dec. 13, 1918.
Castlegate road (Dorchester)	Normandy street to Blue Hill avenue. Roman road. Laid by Roman Road Company.	433	1,250	1915	Aug. 20, 1920.
Castle square (city proper)	Bridge over New York, New Haven & Hartford Railroad.				
	Metropolitan brick (in street car tracks). Laid by Boston Elevated Railway Company.	100	112	1901	
	Trinidad asphalt. Laid by Barber Asphalt Paving Company		1,366	1899	
Casenove street (city proper)	Columbus avenue to 45 feet southerly; also the intersection of Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	45	134	1899	
Casenove street (city proper)	At Chandler street.				
	Acme asphalt (macadam base). Laid by Warren Brothers Company	3	5	1916	Oct. 28, 1921.
	Bessemer brick block gutters. Laid by Warren Brothers Company		2	1916	Oct. 28, 1921.
Cedric street (Roxbury)	Magasine street to Langdon street. Astec asphalt. Laid by Central Construction Company.	610	1,356	1916	Nov. 11, 1921.

Central street (city proper)	Broad street to Kilby street. Acme asphalt. Laid by Warren Brothers Company.	308	886	1911	
Centre street (Dorchester)	70 feet east of Washington street to Washington street. Pine wood block. Laid by William J. Barry.	70	255	1913	Oct. 21, 1918.
Centre street (West Roxbury)	Green street to 18 feet west of Eliot street.				
	Bitulithic. Laid by Warren Brothers Company	1,370	5,260	1913	Nov. 25, 1918.
	Pine wood block. (Brows to street car rails.) Laid by Warren Brothers Company.		283	1913	Nov. 25, 1918.
Centrevale park (Dorchester)	Bourneside street to Upland avenue. Astec asphalt. Laid by Central Construction Company.	515	2,219	1916	Nov. 27, 1921.
Chambers street (city proper)	Green street, across Poplar street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	460	1,022	1902	
Chambers street (city proper)	Brighton street to 6 feet west of Auburn street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	152	337	1895	
Chambers street (city proper)	6 feet west of Auburn street to 8 feet east of Charles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	112	249	1895	
Chandler street (city proper)	9 feet west of Castle square to 3 feet east of Berkeley street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	504	2,216	1912	
Chandler street (city proper)	3 feet east of Berkeley street to Berkeley street. Bitulithic. Laid by Warren Brothers Company.	3	13	1906	
Chandler street (city proper)	Berkeley street to 3 feet west of Berkeley street. Bitulithic. Laid by Warren Brothers Company.	3	17	1906	
Chandler street (city proper)	3 feet west of Berkeley street to 2 feet east of Clarendon street.				
	Acme asphalt (macadam base). Laid by Warren Brothers Company	566	2,211	1916	Oct. 28, 1921.
	Bessemer brick block gutters. Laid by Warren Brothers Company		296	1916	Oct. 28, 1921.
Chandler street (city proper)	2 feet east of Clarendon street to Clarendon street. Bitulithic. Laid by Warren Brothers Company.	2	8	1914	Sept. 25, 1919.
Chandler street (city proper)	Clarendon street to 9 feet east of Columbus avenue.				
	Acme asphalt (macadam base). Laid by Warren Brothers Company	548	2,155	1916	Oct. 28, 1921.
	Bessemer brick block gutters. Laid by Warren Brothers Company		290	1916	Oct. 28, 1921.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Chandler street (city proper)	9 feet east of Columbus avenue to Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	44	1906	
Charles street (city proper)	At Boylston street. Pine wood block. Laid by Clark & Gore		32	1915	Oct. 9, 1920.
Charles street (city proper)	Southerly side of Fruit street, across Allen street.				
	Trinidad asphalt. Laid by Barber Asphalt Paving Company	709	763	1916	
	Standard asphalt. Laid by Central Construction Company		960	1916	
Charles street (Dorchester)	East street line of Ditson street to Geneva avenue. Concrete road. Laid by city forces.	494	1,327	1916	
Charter street (city proper)	Hanover street to 14 feet west of Hanover street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	14	50	1896	
Charter street (city proper)	14 feet west of Hanover street, across Unity street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	306	615	1894	
Chase street (Dorchester)	East Cottage street to Willis street. Trinidad asphalt. Laid by Central Construction Company.	307	856	1915	July 15, 1920.
Chauncy street (city proper)	Summer street to 6 feet south of Summer street. Pine wood block. Laid by Northern Construction Company.	6	29	1915	Aug. 16, 1920.
Chelsea Bridge South (Charlestown)	252 feet north of south side of Scott's court to south side of draw. Bessemer brick block. Laid by Rendle & Stoddard.	194	730	1914	April 24, 1919.
Chelsea Bridge South (Charlestown)	North side of draw to 140 feet north of north side of draw. Bessemer brick block. Laid by Rendle & Stoddard.	140	810	1914	April 24, 1919.
Chelsea Bridge North (Charlestown)	South side draw to Chelsea line. W. & A. composite. Wood and asphalt pavement. Wood block. Laid by Boston Bridge Works, Inc.	319	1,418	1913	
Cherry street (city proper)	7 feet west of Washington street to 8 feet east of Shawmut avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	319	567	1892	

Cherry street (city proper).....	8 feet east of Shawmut avenue to Shawmut avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	8	14	1898	
Chester street (Brighton).....	Commonwealth avenue to 20 feet north of Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	20	50	1917	
Chester street (Brighton).....	10 feet south of Brighton avenue to Brighton avenue. Astec asphalt (macadam base). Laid by Bermudez Company.	10	22	1917	Dec. 7, 1922.
Chester street (Brighton).....	Brighton avenue to 10 feet north of Brighton avenue. Astec asphalt (macadam base). Laid by Bermudez Company.	10	22	1917	Dec. 7, 1922.
Chestnut street (city proper).....	At Brimmer street. Trinidad asphalt. Laid by Central Construction Company.	1	3	1915	
Chestnut Hill avenue (Brighton).....	At Washington street. Bitulithic. Laid by Warren Brothers Company..	4	20	1913	Oct. 24, 1918.
Child street (West Roxbury).....	At South street. Bitulithic. Laid by Warren Brothers Company.....	3	11	1913	Nov. 25, 1918.
Chilmark street (Brighton).....	At Commonwealth avenue. Pine wood block. Laid by Clark & Gore.....	19	76	1915	Sept. 2, 1920.
Chipman street (Dorchester).....	At Norfolk street. Bitulithic. Laid by James Doherty.....	1	4	1913	July 11, 1919.
Church street (city proper).....	Boylston street to 55 feet south of Boylston street. Pine wood block. Laid by Clark & Gore.	55	193	1915	Oct. 9, 1920.
Church street (city proper).....	55 feet south of Boylston street to 10 feet north of Providence street. Pine wood block. Laid by Coleman Brothers.	100	292	1913	Sept. 11, 1918.
Church street (city proper).....	7 feet south of Fayette street to 6 feet north of Melrose street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	175	521	1911	
Claremont park (city proper).....	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	34	1906	
Clarendon street (city proper).....	11 feet north of Tremont street to 4 feet south of Warren avenue. Bitulithic. Laid by Warren Brothers Company.	320	1,422	1914	Sept. 25, 1919.
Clarendon street (city proper).....	Each side of Warren avenue. Pine wood block. Laid by Boston Paving Company.	8	40	1913	Dec. 13, 1918.
Clarendon street (city proper).....	4 feet north of Warren avenue to 5 feet south of Columbus avenue. Bitulithic. Laid by Warren Brothers Company.	855	3,806	1914	Sept. 25, 1919.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Clarendon street (city proper)	5 feet south of Columbus avenue to Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	5	24	1906	
Clarendon street (city proper)	15 feet south of Boylston street to Boylston street. Pine wood block. Laid by Coleman Brothers.	15	60	1914	Nov. 3, 1919.
Clarendon street (city proper)	Boylston street to 14 feet north of Boylston street. Pine wood block. Laid by Coleman Brothers.	14	56	1914	Nov. 3, 1919.
Clarendon street (city proper)	14 feet north of Boylston street to 46 feet north of Boylston street. Bitulithic. Laid by Coleman Brothers.	32	101	1914	Nov. 3, 1919.
Clarendon street (city proper)	46 feet north of Boylston street to south street line of Commonwealth avenue. Bitulithic. Laid by Warren Brothers Company.	521	2,121	1905	
Clarendon street (city proper)	South street line of Commonwealth avenue to north street line of Commonwealth avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	200	730	1916	Nov. 22, 1921.
Clarendon street (city proper)	North street line of Commonwealth avenue to Beacon street. Bitulithic. Laid by Warren Brothers Company.	565	2,260	1905	
Clark street (city proper)	Hanover street to 18 feet east of Hanover street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	18	35	1896	
Clark street (city proper)	18 feet east of Hanover street to 8 feet west of North street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	293	566	1892	
Claybourne street (Dorchester)	187 feet south of Dakota street to Park street. Bitulithic. Laid by James Doherty.	914	2,654	1915	Sept. 10, 1920.
Cleveland place (city proper)	Margaret street to 192 feet northwest of Margaret street. Fire brick	192	293		
Cobb street (city proper)	9 feet west of Washington street to 9 feet east of Shawmut avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	329	987	1897	

Cobb street (city proper)	9 feet east of Shawmut avenue to Shawmut avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	9	27	1898	
Colonial avenue (Dorchester)	At Talbot avenue. Brick block. Laid by James Doherty	16	87	1911	
Columbia road (Dorchester)	Bridge over New York, New Haven & Hartford Railroad. Metropolitan brick.	163	362	1903	
Columbia road (Dorchester)	Bridge over Shoreham street. Mack brick	59	131	1902	
Columbia road (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.		280	1911	
Columbia road (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	20	68	1912	Oct. 21, 1918.
Columbus avenue (city proper)	134 feet south of Ferdinand street to Boston & Albany Railroad Bridge. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	912	3,570	1904	
Columbus avenue (city proper)	Bridge over New York, New Haven & Hartford Railroad (in street car tracks). Metropolitan brick block. Laid by Boston Elevated Railway Company.		149	1906	
Columbus avenue (city proper)	See Cazenove street.				
Columbus avenue (city proper)	Boston & Albany Railroad Bridge to northerly side of Camden street, Trinidad asphalt. Laid by Barber Asphalt Paving Company.	4,083	15,742	1906–07	
Columbus avenue (city proper and Roxbury).	Northerly side of Camden street to 67 feet north of Station street. Bermudez asphalt. Laid by Boston Asphalt Company.	3,846	15,579	1906–07	
Columbus avenue (Roxbury)	At Walnut avenue. Acme asphalt (macadam base). Laid by Warren Brothers Company.	8	60	1917	Sept. 17, 1922.
Columbus square (city proper)	Columbus avenue to 9 feet east of Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	46	1906	
Columbus square (city proper)	9 feet east of Columbus avenue to 4 feet east of Pembroke street. Bitulithic. Laid by Fred S. & A. D. Gore Company.	235	1,774	1912	
Commonwealth avenue (city proper)	Arlington street to 4 feet west of Arlington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	4	28	1901	
Commonwealth avenue (city proper)	4 feet west of Arlington street to Berkeley street. Bitulithic (macadam base). Laid by Warren Brothers Company.	627	4,690	1916	Nov. 22, 1921.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Commonwealth avenue (city proper)...	Berkeley street to Clarendon street. Bitulithic (macadam base). Laid by Warren Brothers Company.	580	4,340	1916	Nov. 22, 1921.
Commonwealth avenue (city proper)...	Clarendon street to Dartmouth street. Bitulithic (macadam base). Laid by Warren Brothers Company.	575	4,015	1916	Nov. 22, 1921.
Commonwealth avenue (city proper)...	Dartmouth street to Exeter street. Bitulithic (macadam base). Laid by Warren Brothers Company.	555	3,857	1916	Nov. 22, 1921.
Commonwealth avenue (city proper and Roxbury).	Exeter street to 4 feet east of Massachusetts avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	2,316	17,596	1916	Sept. 11, 1921.
Commonwealth avenue.....	4 feet east of Massachusetts avenue to Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	4	38	1901	
Commonwealth avenue (Roxbury).....	Massachusetts avenue to 3 feet west of Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	3	29	1901	
Commonwealth avenue (Roxbury).....	Charlesgate West to street line of Beacon street. Bitulithic (macadam base). Laid by Warren Brothers Company..... Asphalt block gutters. Laid by Warren Brothers Company.....	908	7,450 603	1916	Sept. 11, 1921.
Commonwealth avenue (Roxbury and Brighton).	Beacon street to Cottage Farm Bridge (north roadway). Pine wood block. Laid by Clark & Gore.	3,802	19,600	1915	Sept. 2, 1920.
	(South roadway.) Mexican asphalt (macadam base). Laid by Central Construction Company.	.....	12,811	1917	
Commonwealth avenue (Brighton)....	Cottage Farm Bridge over Boston & Albany Railroad. Sicilian rock asphalt. Laid by Boston Asphalt Company.	140	1,556	1896	
Commonwealth avenue (Brighton)....	Cottage Farm Bridge across Brighton avenue (not including next item). Mexican asphalt (macadam base). Laid by Central Construction Company.	3,591	23,191	1917	
Commonwealth avenue (Brighton)....	(South roadway.) 233 feet east of Naples road to 136 feet west of Naples road. Endurite (macadam base). Laid by Warren Brothers Company.	.....	1,264	1912	

Commonwealth avenue (Brighton)....	Brighton avenue to the east street line of Harvard avenue (side roads). Mexican asphalt (macadam base). Laid by Central Construction Company.	.....	6,184	1917	
Commonwealth avenue (Brighton)....	West street line of Harvard avenue to the east curb line of Allston street (side roads). Mexican asphalt (macadam base). Laid by Central Construction Company.	.....	9,348	1917	
Commonwealth avenue (Brighton)....	West curb line of Allston street to the north street line of Warren street (side roads). Mexican asphalt (macadam base). Laid by Central Construction Company.	.....	3,172	1917	
Commonwealth avenue (Brighton)....	West side Chestnut Hill avenue to Newton line (north road). Mexican asphalt (macadam base). Laid by Central Construction Company.	.....	7,440	1917	
Concord square (city proper).....	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	41	1906	
Congress square (city proper).....	Congress street, across Congress square. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	201	383	1900	
Cooper street (city proper).....	North Margin street to east side of Endicott street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	163	504	1887	
Cooper street (city proper).....	East side of Endicott street to 10 feet east of Washington Street North. Mexican asphalt. Laid by Central Construction Company.	231	680	1917	
Corbet street (Dorchester).....	At Norfolk street. Bitulithic. Laid by James Doherty.....	46	184	1914	July 11, 1919.
Corey street (Charlestown).....	124 feet north of Moulton street to Moulton street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	124	289	1897	
Cornhill court (city proper).....	At Washington street. Pine wood block. Laid by James Doherty.....	9	8	1908	Nov. 21, 1918.
Corning street (city proper).....	Washington street to 8 feet east of Shawmut avenue. Acme asphalt. Laid by Warren Brothers Company.	329	700	1908	Nov. 25, 1918.
Cortes street (city proper).....	At Ferdinand street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	8	20	1911	
Court avenue (city proper).....	At Washington street. Mack brick block.....	7	8	1910	
Court street (city proper).....	Washington street to 9 feet west of Washington street. Pine wood block. Laid by James Doherty.	9	27	1908	Nov. 21, 1918.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Court street (city proper)	9 feet west of Washington street to Court square west. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	296	823	1904	
Court square (city proper)	(East road) Court street to 8 feet south of Court street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	8	14	1904	
Court square (city proper)	(East road) 8 feet south of Court street to 20 feet north of Williams court. Acme asphalt. Laid by Warren Brothers Company.	263	800	1914	Mar. 21, 1919.
Court square (city proper)	(East road) 20 feet north of Williams court to south of Williams court. Acme asphalt. Laid by Warren Brothers Company.	37	118	1913	
Court square (city proper)	(South road) East road, Court square, to West road, Court square. Acme asphalt. Laid by Warren Brothers Company.	74	181	1913	
Court square (city proper)	(West road) 291 feet south of Court street to 266 feet south of Court street. Acme asphalt. Laid by Warren Brothers Company.	25	65	1913	
Court square (city proper)	(West road) 266 feet south of Court street to 148 feet south of Court street. Acme asphalt. Laid by Warren Brothers Company.	118	305	1914	April 13, 1919.
Court square (city proper)	(West road) 148 feet south of Court street to 8 feet south of Court street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	140	346	1904	
Cumberland street (city proper)	At Huntington avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	4	17	1896	
Cummings road (Brighton)	114 feet west of Corey road to Commonwealth avenue. Mexican asphalt. Laid by Central Construction Company.	903	2,212	1917	Aug. 8, 1922.
Cunard street (Roxbury)	At Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	16	60	1906	
Curtis street (East Boston)	Bridge over Boston & Albany Railroad. Trinidad asphalt. Laid by E. R. Taylor Company.	41	139	1906	

Custer street (West Roxbury)	At South street. Bitulithic. Laid by Warren Brothers Company	1	3	1913	Nov. 25, 1918.
Custom House street (city proper)	At India street. Mexican asphalt. Laid by Central Construction Company.	2	10	1917	
D street (South Boston)	8 feet north of West Fifth street to 2 feet north of Gold street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	134	500	1889	
D street (South Boston)	14 feet southwest of West Broadway to West Broadway.				
	Acme asphalt. Laid by Warren Brothers Company	14	46	1917	Oct. 18, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		8	1917	Oct. 18, 1922.
D street (South Boston)	West Broadway to 13 feet northeast of West Broadway.				
	Acme asphalt. Laid by Warren Brothers Company	13	48	1917	Oct. 18, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		3	1917	Oct. 18, 1922.
Dacia street (Roxbury)	2 feet north of Woodcliff street to 3 feet south of Dove street. Bitulithic. Laid by Warren Brothers Company.	294	850	1906	
Dakota street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	3	14	1913	Oct. 21, 1918.
Damrell street (South Boston)	Dorchester avenue to 5 feet west of Ames street. Mack brick block. Laid by Central Construction Company.	571	1,650	1910	
Dane street (West Roxbury)	6 feet west of Holbrook street to Orchard street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	589	1,706	1915	Nov. 23, 1920.
Dartmouth street (city proper)	Each side of Warren avenue. Pine wood block. Laid by Boston Paving Company.	8	30	1913	Dec. 13, 1918.
Dartmouth street (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	5	45	1906	
Dartmouth street (city proper)	Bridge over New York, New Haven & Hartford Railroad.				
	Pine wood block. Laid by New York, New Haven & Hartford Railroad Company.	118	397	1913	
	Metropolitan brick block (in street car tracks). Laid by Boston Elevated Railway Company.		117	1901	
Dartmouth street (city proper)	3 feet south of Stuart street to Huntington avenue. Bitulithic. Laid by James Doherty.	386	1,776	1912	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Dartmouth street (city proper).....	Huntington avenue to 83 feet south of Boylston street.				
	Bitulithic. Laid by Coleman Brothers.....	151	134	1914	Nov. 3, 1919.
	Acme asphalt. Laid by Warren Brothers Company.....		496	1912	
	Trinidad asphalt. Laid by Barber Asphalt Paving Company.....		504	1901	
Dartmouth street (city proper).....	83 feet south of Boylston street to 15 feet south of Boylston street.				
	Acme asphalt. Laid by Warren Brothers Company.....	68	10	1912	
	Bitulithic. Laid by Coleman Brothers.....		473	1914	Nov. 3, 1919.
	Trinidad asphalt. Laid by Barber Asphalt Paving Company.....		67	1901	
Dartmouth street (city proper).....	15 feet south of Boylston street to Boylston street. Pine wood block. Laid by Coleman Brothers.	15	128	1914	Nov. 3, 1919.
Dartmouth street (city proper).....	Boylston street to 15 feet north of Boylston street. Pine wood block. Laid by Coleman Brothers.	15	117	1914	Nov. 3, 1919.
Dartmouth street (city proper).....	15 feet north of Boylston street to north street line Public Alleys Nos. 439 and 440. Bitulithic. Laid by Coleman Brothers.	129	890	1914	Nov. 3, 1919.
Dartmouth street (city proper).....	North street line Public Alleys Nos. 439 and 440 to 4 feet south of Newbury street. Bitulithic. Laid by Warren Brothers Company.	120	938	1914	Oct. 24, 1919.
Dartmouth street (city proper).....	4 feet south of Newbury street to 9 feet south of south street line of Commonwealth avenue. Bitulithic. Laid by Warren Brothers Company.	296	2,303	1903	
Dartmouth street (city proper).....	9 feet south of south street line of Commonwealth avenue to 10 feet north of north street line of Commonwealth avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	219	1,636	1916	Nov. 22, 1921.
Dartmouth street (city proper).....	10 feet north of north street line of Commonwealth avenue to Beacon street. Bitulithic. Laid by Warren Brothers Company.	554	4,329	1903	
Davenport street (Roxbury).....	At Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	26	66	1906–07	
Davis street (city proper).....	11 feet east of Washington street to 7 feet west of Harrison avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	305	610	1892	

Davis street (city proper)	7 feet west of Harrison avenue to Harrison avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	7	14	1901	
Day street (Roxbury)	At Heath street. Mack brick block. Laid by Field, Barker & Underwood, Inc.	5	36	1910	
Dearborn place (Roxbury)	At Dearborn street. Acme asphalt. Laid by Warren Brothers Company.	5	8	1916	Nov. 20, 1922.
Dearborn street (Roxbury)	Albany street to 56 feet south of Albany street. Bitulithic. Laid by Warren Brothers Company.	56	220	1907	
Dearborn street (Roxbury)	56 feet south of Albany street to 27 feet north of Dudley street.				
	Acme asphalt. Laid by Warren Brothers Company	497	1,233	1916–17	Nov. 20, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		220	1916–17	Nov. 20, 1922.
Dearborn street (Roxbury)	27 feet north of Dudley street to Dudley street. Mack brick block. Laid by James Doherty.	27	176	1910	
Decatur street (city proper)	9 feet east of Washington street to 8 feet west of Harrison avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	355	751	1892	
Decatur street (city proper)	8 feet west of Harrison avenue to Harrison avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	8	16	1905	
Deerfield street (Roxbury)	Commonwealth avenue to 18 feet north of Commonwealth avenue. Pine wood block. Laid by Clark & Gore.	18	94	1915	Sept. 2, 1920.
Derne street (city proper)	Temple street to 5 feet east of Hancock street. Mack brick block. Laid by J. E. Burns & Co.	205	610	1909	
Derne street (city proper)	5 feet east of Hancock street to Hancock street. Bitulithic. Laid by Warren Brothers Company.	5	30	1902	
Devonshire street (city proper)	Dock square to 75 feet south of Dock square (west side). Pine wood block. Laid by Bernard E. Grant.	.....	44	1916	Dec. 14, 1921.
Devonshire street (city proper)	75 feet south of Dock square to State street (each side of tracks). Pine wood block. Laid by Bernard E. Grant.	230	517	1916	Dec. 14, 1921.
Devonshire street (city proper)	State street to 7 feet south of Water street. Pine wood block. Laid by Bernard E. Grant.	398	1,281	1916	Dec. 14, 1921.
Devonshire street (city proper)	7 feet south of Water street to 7 feet north of Milk street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	248	743	1909	

List of Streets Having a Smooth Pavement — *Continued.*

STREETS.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Devonshire street (city proper).....	18 feet south of Milk street to 8 feet north of Franklin street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	409	1,378	1905	
Devonshire street (city proper).....	9 feet north of Summer street to Summer street. Pine wood block. Laid by Northern Construction Company.	9	51	1915	Aug. 16, 1920
DeWolf street (Dorchester).....	At Hancock street. Bessemer brick block. Laid by Fred S. & A. D. Gore Corporation.	8	24	1911	
Dillaway street (city proper).....	Dore street to 2 feet north of Hollis street. Bitulithic. Laid by James Doherty.	259	452	1914	Aug. 17, 1919.
Dillaway street (city proper).....	2 feet north of Hollis street to Hollis street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	2	4	1891	
Dillon street (city proper).....	Lenox street to Sawyer street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	204	295	1902	
Doane street (city proper).....	Broad street to 135 feet west of Broad street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	135	270	1910	
Doane street (city proper).....	135 feet west of Broad street to Kilby street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	174	350	1881	
Don street (Dorchester).....	At Callender street. Trinidad asphalt. Laid by D. M. Biggs & Co.....	1	3	1915	Sept. 15, 1920.
Dorchester avenue (Dorchester).....	119 feet south of Bellows place to north side of Richmond street. Pine wood block. Laid by James Doherty.	456	1,177	1917	Nov. 12, 1922.
Dorchester street (South Boston).....	West Broadway to 129 feet north of West Eighth street, minus intersections at West Fourth and West Fifth streets, and (west side) from 129 feet north of West Eighth street to West Eighth street. Bitulithic. Laid by Warren Brothers Company.	1,312	5,775	1905	
Dorchester street (South Boston).....	94 feet north of Vinton street to Vinton street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	.....	190	1904	

Dorchester street (South Boston).....	8 feet north of Rogers street to 154 feet north of Dorchester avenue. Bitulithic. Laid by Warren Brothers Company.	152	613	1914	Nov. 11, 1919
Dorchester avenue (South Boston)....	Ralston street to 140 feet south of Ralston street. Pine wood block. Laid by Coleman Brothers.	140	402	1913	Sept. 10, 1918.
Dore street (city proper).....	9 feet west of Washington street to 8 feet east of Tremont street. Bitulithic. Laid by Warren Brothers Company.	437	775	1914	Nov. 7, 1919.
Dore street (city proper).....	3 feet east of Tremont street to Tremont street. Pine wood block. Laid by Bernard E. Grant.	3	6	1917	Nov. 15, 1922.
Doris street (Dorchester).....	At Erie avenue. Aztec asphalt. Laid by Central Construction Company,	7	21	1916	Nov. 17, 1921.
Dove street (Roxbury).....	At Blue Hill avenue. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	3	9	1917	
Dove street (Roxbury).....	At Dacia street. Bitulithic. Laid by Warren Brothers Company.....	1	3	1906	
Downing street (Roxbury).....	Whittier street to Vernon street. Mack brick block. Laid by J. E. Burns & Co.	323	750	1909	
Dudley street (Roxbury).....	70 feet west of Guild row to 24 feet east of Harrison avenue. Pine wood block. Laid by James Doherty.	841	4,134	1912	
Dudley street (Roxbury).....	24 feet east of Harrison avenue to 4 feet east of Magazine street. Mack brick block. Laid by James Doherty.	2,666	10,755	1910	
Dudley street (Roxbury).....	Dunmore street to Magazine street (east side). Sicilian rock asphalt. Laid by Boston Asphalt Company.	.....	350	1902	
Dundee street (Roxbury).....	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	4	13	1901	
Dunlap street (Dorchester).....	Washington street to 11 feet west of Washington street. Pine wood block. Laid by William J. Barry.	11	25	1913	Oct. 21, 1918.
Dunlap street (Dorchester).....	11 feet west of Washington street to 6 feet east of Whitfield street. Trinidad asphalt. Laid by William J. Rafferty & Co.	787	1,759	1915	Dec. 28, 1920.
Dunmore street (Roxbury).....	Dudley street to 57 feet east of Dudley street. Mack brick block. Laid by James Doherty.	57	135	1910	
Dunster road (West Roxbury).....	2 feet north of Centre street to 7 feet south of Dane street. Mexican asphalt. Laid by Central Construction Company.	854	2,468	1917	June 12, 1922.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Dunster road (West Roxbury)	7 feet south of Dane street to Dane street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	7	23	1915	Nov. 23, 1920.
Dunster road (West Roxbury)	Dane street to 7 feet north of Dane street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	7	26	1915	Nov. 23, 1920.
Dunster road (West Roxbury)	7 feet north of Dane street to Pond street. Mexican asphalt. Laid by Central Construction Company.	900	2,606	1917	June 12, 1922.
Dwight street (city proper)	Shawmut avenue to Tremont street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	696	2,017	1893	
E street (South Boston)	5 feet south of Bolton street to West Third street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	106	392	1892	
E street (South Boston)	15 feet northeast of West Broadway to West Broadway. Acme asphalt. Laid by Warren Brothers Company.	15	58	1917	Oct. 18, 1922.
E street (South Boston)	West Broadway to 24 feet southwest of West Broadway. Acme asphalt. Laid by Warren Brothers Company / Bessemer brick block gutters. Laid by Warren Brothers Company	24	83 / 8	1917 / 1917	Oct. 18, 1922.
E street (South Boston)	24 feet southwest of West Broadway, across West Fourth street. Bitulithic. Laid by Warren Brothers Company.	311	1,137	1903	
E street (South Boston)	West Seventh street to West Eighth street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	311	509	1904	
East Broadway (South Boston)	In front of Lincoln School. Sicilian rock asphalt. Laid by Boston Asphalt Company.	180	644	1897	
East Concord street (city proper)	At Albany street. Pine wood block. Laid by Bernard E. Grant	12	45	1917	
East Fourth street (South Boston)	Dorchester street to 4 feet east of Dorchester street. Bitulithic. Laid by Warren Brothers Company.	4	17	1905	

East Fourth street (South Boston)	P street to 96 feet west of Farragut road. Pine wood block. Laid by James Doherty.	426	1,450	1911	
East Fourth street (South Boston)	96 feet west of Farragut road to Farragut road. Mack brick block. Laid by James Doherty.	96	329	1911	
Eaton street (city proper)	At North Russell street. Aztec asphalt. Laid by Bermudez Company	3	8	1917	Nov. 3, 1922.
Edinboro' street (city proper)	Essex street to Beach street. Acme asphalt. Laid by Warren Brothers Company.	464	916	1912	
Edson street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	9	43	1914	July 11, 1919.
Elgin street (West Roxbury)	Centre street to West Roxbury Branch, Boston & Providence Division, New York, New Haven & Hartford Railroad. Trinidad asphalt. Laid by Charles J. Jacobs Company.	596	1,722	1915	Dec. 2, 1920.
Eliot street (city proper)	On south side at Pleasant street. Pine wood block. Laid by Coleman Brothers.	.....	99	1914	Dec. 13, 1918.
Eliot street (city proper)	East side of Pleasant street to Columbus avenue. Pine wood block. Laid by United States Wood Preserving Company.	164	723	1907	
Eliot street (West Roxbury)	At Centre street. Bitulithic. Laid by Warren Brothers Company	2	7	1913	Nov. 25, 1918.
Elm Hill avenue (Roxbury)	At Seaver street. Acme asphalt (macadam base). Laid by Warren Brothers Company.	19	83	1917	Sept. 17, 1922.
Emerald street (city proper)	7 feet south of Castle street to 7 feet north of Dover street. Bitulithic. Laid by Warren Brothers Company.	898	2,599	1904	
Endicott street (city proper)	Cooper street, across Thacher street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	318	1,078	1899	
Epping street (Dorchester)	Washington street to 1 foot east of Norfolk street. Mexican asphalt. Laid by Central Construction Company.	240	557	1917	May 25, 1922.
Epping street (Dorchester)	1 foot east of Norfolk street to Norfolk street. Bitulithic. Laid by James Doherty.	1	6	1913	June 11, 1919.
Erie avenue (Dorchester)	Savin Hill avenue to 67 feet north of Doris street. Aztec asphalt. Laid by Central Construction Company.	337	1,261	1916	Nov. 17, 1921.
Essex place (city proper)	Tufts street to 7 feet south of Essex street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	195	336	1901	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Essex street (Brighton)	At Commonwealth avenue. Pine wood block. Laid by Clark & Gore	22	161	1915	Sept. 2, 1920.
Essex street (Brighton)	Bridge abutment to Cambridge line. Pine wood block. Laid by James Doherty.	520	1,445	1913	Oct. 10, 1918.
Eustis street (Roxbury)	138 feet east of Winslow street to 163 feet west of Albany street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	130	241	1906	
Eustis street (Roxbury)	12 feet west of Dearborn street to Dearborn street.				
	Acme asphalt. Laid by Warren Brothers Company	12	29	1916	Nov. 20, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		7	1916	Nov. 20, 1922.
Eustis street (Roxbury)	Dearborn street to 6 feet east of Dearborn street.				
	Acme asphalt. Laid by Warren Brothers Company	6	16	1916	Nov. 20, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		4	1916	Nov. 20, 1922.
Eustis street (Roxbury)	6 feet east of Dearborn street to 9 feet west of Hampden street. Bitulithic. Laid by John F. Beatty.	1,270	3,689	1914	Sept. 4, 1919.
Eustis street (Roxbury)	Hampden street to Magazine street. Bitulithic. Laid by John F. Beatty.	686	1,990	1914	Sept. 4, 1919.
Everton street (Dorchester)	Olney street to Geneva avenue. Topeka. Laid by Central Construction Company.	677	2,026	1916	June 26, 1922.
Exchange place (city proper)	8 feet east of Congress street to Kilby street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	237	685	1903	
Exchange street (city proper)	173 feet north of State street to 25 feet south of Dock square. Pine wood block. Laid by Central Construction Company.	139	242	1913	Dec. 4, 1918.
Exeter place (city proper)	8 feet west of Chauncy street to 7 feet east of Harrison avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	155	353	1897	
Exeter street (city proper)	At Huntington avenue.				
	Bitulithic. Laid by Fred S. & A. D. Gore Corporation	.....	14	1912	
	Bitulithic. Laid by Warren Brothers Company	.....	5	1909	

Exeter street (city proper).....	Huntington avenue to 16 feet south of Boylston street. Bitulithic. Laid by Boston Elevated Railway Company.	541	2,126	1914	Nov., 1919.
Exeter street (city proper).....	16 feet south of Boylston street to Boylston street. Bitulithic. Laid by Coleman Brothers.	16	85	1914	Nov. 3, 1919.
Exeter street (city proper).....	Boylston street to 15 feet north of Boylston street. Bitulithic. Laid by Coleman Brothers.	15	60	1914	Nov. 3, 1919.
Exeter street (city proper).....	South street line of Commonwealth avenue to north street line of Commonwealth avenue. Bitulithic (macadam base). Laid by Warren Brothers Company.	200	730	1916	Nov. 22, 1921.
Exeter street (city proper).....	South side of Marlborough street. Bitulithic. Laid by James Doherty....	3	13	1914	Aug. 3, 1919.
Exeter street (city proper).....	North side of Marlborough street. Bitulithic. Laid by James Doherty....	2	9	1914	Aug. 3, 1919.
Exeter street (city proper).....	At Beacon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	2	9	1909	
Fabin street (city proper).....	Newland street to Ivanhoe street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	415	606	1895	
Fabyan street (Dorchester).....	15 feet east of Blue Hill avenue to 6 feet west of Harvard street. Trinidad asphalt. Laid by Martino DeMatteo.	691	1,996	1915	May 29, 1920.
Fairfield street (city proper).....	At Boylston street. Bitulithic. Laid by Warren Brothers Company.....	5	23	1913	Aug. 13, 1918.
Fairfield street (city proper).....	Each side at Marlborough street. Bitulithic. Laid by James Doherty.....	6	26	1914	Aug. 3, 1919.
Fairfield street (city proper).....	At Beacon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	3	12	1909	
Falmouth street (Roxbury).....	6 feet north of Norway street to 6 feet north of Massachusetts avenue. Pine wood block. Laid by James Doherty.	634	2,433	1909	
Falmouth street (Roxbury).....	6 feet north of Massachusetts avenue to Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	6	25	1901	
Farrington avenue (Brighton).....	At Harvard avenue. Bitulithic. Laid by Coleman Brothers.....	2	6	1914	Aug. 7, 1919.
Fay street (city proper).....	5 feet west of Harrison avenue to 8 feet south of Dover street (cobble base). Sicilian rock asphalt. Laid by Boston Asphalt Company.	305	532	1894	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Fayette street (city proper)	Pleasant street to 7 feet west of Pleasant street. Pine wood block. Laid by Coleman Brothers.	7	16	1913	Dec. 13, 1918.
Fayette street (city proper)	7 feet west of Pleasant street to Ferdinand street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	839	1,914	1911	
Fenelon street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	30	1912	Oct. 21, 1918.
Ferdinand street (city proper)	See Castle square.				
Ferdinand street (city proper)	16 feet north of Boston & Albany Railroad Bridge to 50 feet north of Isabella street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	376	1,069	1911	
Fernboro street (Dorchester)	Lawrence avenue to Intervale street. Trinidad asphalt. Laid by James Doherty.	487	1,412	1916	June 28, 1921.
Florence street (city proper)	10 feet east of Washington street to 8 feet west of Harrison avenue. Mexican asphalt. Laid by Central Construction Company.	341	694	1917	
Fordham road (Brighton)	Brighton avenue to Commonwealth avenue. Mexican asphalt. Laid by Central Construction Company.	624	1,481	1917	July 2, 1923.
Franklin street (city proper)	At India street. Mexican asphalt. Laid by Central Construction Company,	1	4	1901	
Fruit street (city proper)	Blossom street to Charles street.				
	Acme asphalt. Laid by Warren Brothers Company	949	1,435	1917	Nov. 15, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		503	1917	Nov. 15, 1922.
G street (South Boston)	110 feet north of East Sixth street to 178 feet north of East Seventh street. Bitulithic. Laid by Warren Brothers Company.	230	828	1905	
Gaffney street (Brighton)	Commonwealth avenue to Boston & Albany Railroad. Mexican asphalt. Laid by Central Construction Company.	779	3,914	1917	June 29, 1922.
	Pine wood block (brows to street car rails). Laid by Central Construction Company.		28	1917	June 29, 1922.

Gainsborough street (Roxbury)	10 feet east of Huntington avenue to Providence Division of New York, New Haven & Hartford Railroad. Bitulithic. Laid by Warren Brothers Company.	539	2,037	1903	
Garden Court street (city proper)	North square to 7 feet south of Fleet street. Bitulithic. Laid by Warren Brothers Company.	226	365	1906	
Gardner street (Brighton)	At Harvard avenue. Bitulithic. Laid by Coleman Brothers	2	6	1914	Aug. 7, 1919.
Garrison street (city proper)	At Huntington avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	4	16	1896	
Gates street (South Boston)	At Dorchester street. Bitulithic. Laid by Warren Brothers Company	5	16	1905	
Gay street (Roxbury)	At Linden Park street. Mack brick block. Laid by J. E. Burns & Co	8	19	1909	
Gaylord street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	3	9	1913	Oct. 21, 1918.
Genesee street (city proper)	Harrison avenue to 2 feet east of Harrison avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	2	6	1901	
Genesee street (city proper)	2 feet east of Harrison avenue to 2 feet west of Albany street. Seyssel rock asphalt. Laid by Jones & Meehan.	501	1,112	1899	
Geneva avenue (Dorchester)	185 feet west of Beechwood street to 10 feet east of Bowdoin street. Mack brick block. Laid by Central Construction Company.	1,329	5,123	1911	
Glenarm street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	23	1912	Oct. 21, 1918.
Glencoe street (Brighton)	North Beacon street to Saybrook street. Mexican asphalt. Laid by Central Construction Company.	415	972	1917	Aug. 2, 1922.
Glencoe street (Brighton)	Saybrook street to 7 feet south of Garden street. Mexican asphalt. Laid by Central Construction Company.	346	820	1917	Aug. 2, 1922.
Glendale street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	23	1910–11	
Glendower road (West Roxbury)	Kittredge street to Poplar street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	1,926	5,578	1915–16	July 14, 1921.
Glenville avenue (Brighton)	At Harvard avenue. Bitulithic. Laid by Coleman Brothers	2	6	1914	Aug. 7, 1919.
Gloucester street (city proper)	At Boylston street. Bitulithic. Laid by Warren Brothers Company	5	23	1913	Aug. 13, 1918.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Gloucester street (city proper)	Each side of Newbury street. Pine wood block. Laid by United States Wood Preserving Company.	7	31	1901	
Gloucester street (city proper)	Each side of Marlborough street. Bitulithic. Laid by James Doherty	6	26	1914	Aug. 3, 1919.
Gloucester street (city proper)	At Beacon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	3	13	1909	
Gold street (South Boston)	B street to C street. Sicilian rock asphalt. Laid by Jones & Meehan	512	730	1901	
Gold street (South Boston)	C street to D street. Sicilian rock asphalt. Laid by Jones & Meehan	513	741	1901	
Gold street (South Boston)	At Dorchester street. Bitulithic. Laid by Warren Brothers Company	4	6	1905	
Gove street (East Boston)	8 feet east of Venice street to 91 feet west of Venice street. Topeka. Laid by Warren Brothers Company.	133	500	1917	
Grace street (Dorchester)	Walton street to Roslin street. Bitulithic. Laid by D. M. Biggs & Co.	303	873	1915	Aug. 19, 1920.
Granby street (Roxbury)	At Commonwealth avenue. Pine wood block. Laid by Clark & Gore	19	88	1915	Sept. 2, 1920.
Gray street (city proper)	At Clarendon street. Bitulithic. Laid by Warren Brothers Company	3	7	1914	Sept. 25, 1919.
Greenough avenue (West Roxbury)	At Centre street. Bitulithic. Laid by Warren Brothers Company	2	18	1913	Nov. 25, 1918.
Greenville street (Roxbury)	At Dudley street. Mack brick block. Laid by James Doherty	8	20	1910	
Greenwich park (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	34	1906	
Groton street (city proper)	Washington street to Shawmut avenue (block base). Trinidad asphalt. Laid by Barber Asphalt Paving Company.	316	528	1892	
Guild row (Roxbury)	42 feet north of Dudley street to Dudley street. Pine wood block. Laid by James Doherty.	42	257	1912	
Half Moon street (Dorchester)	At Lingard street. Bitulithic. Laid by James Doherty	1	8	1915	Sept. 17, 1920.

Halleck street (Roxbury)	At Station street. Bitulithic. Laid by John F. Beatty	1	3	1914	Dec. 18, 1919.
Hamburg street (city proper)	Mystic street to Harrison avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	375	585	1896	
Hamlet street (Dorchester)	Belden street to Columbia road. Trinidad asphalt. Laid by Central Construction Company.	409	909	1915	July 22, 1920.
Hammond street (city proper)	Shawmut avenue to Tremont street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	1,115	4,214	1912	
Hampshire street (Roxbury)	Ruggles street to Whittier street. Mack brick block. Laid by J. E. Burns & Co.	362	1,050	1909	
Hampshire street (Roxbury)	Whittier street to Vernon street. Mack brick block. Laid by J. E. Burns & Co.	364	1,055	1909	
Hampshire street (Roxbury)	Vernon street to Linden Park street. Mack brick block. Laid by J. E. Burns & Co.	645	1,864	1909	
Hancock street (city proper)	Mt. Vernon street to 4 feet north of Mt. Vernon street. Mack brick block	4	14	1901	
Hancock street (city proper)	4 feet north of Mt. Vernon street to 7 feet south of Cambridge street. Bitulithic. Laid by Warren Brothers Company.	928	2,383	1902	
Hancock street (Dorchester)	At Columbia road (west road). Bitulithic (macadam base). Laid by Warren Brothers Company.	.....	281	1915	May 26, 1920.
Hancock street (Dorchester)	Columbia road to 345 feet northwest of DeWolf street. Mack brick block. Laid by Central Construction Company.	2,221	9,672	1910–11	
Hancock street (Dorchester)	At Bowdoin street. Mack brick block. Laid by Central Construction Company.	.....	205	1913	Sept. 12, 1918.
Hancock street (Dorchester)	345 feet northwest of DeWolf street to 19 feet west of Dorchester avenue. Bessemer brick block. Laid by Fred S. & A. D. Gore Corporation.	1,416	5,684	1911	
Hanover avenue (city proper)	Hanover street to 7 feet west of North street. Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	300	256	1892	
Hanover street (city proper)	(West side) Tileston street, across Charter street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	315	425	1907	
Hanover street (city proper)	(East side) Tileston street, across Charter street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	.....	323	1896	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Harold street (Roxbury)	At Seaver street. Acme asphalt (macadam base). Laid by Warren Brothers Company.	20	93	1917	Sept. 17, 1922.
Harris avenue (West Roxbury)	At Centre street. Bitulithic. Laid by Warren Brothers Company	2	5	1913	Nov. 25, 1918.
Harris street (city proper)	Hanover street to 10 feet east of Hanover street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	10	11	1896	
Harris street (city proper)	10 feet east of Hanover street to 9 feet west of North street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	281	352	1904	
Harrison avenue (city proper)	22 feet south of Kneeland street to 22 feet north of Harvard street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	249	885	1899	
Harrison avenue (city proper)	Bridge over Boston & Albany Railroad. Pine wood block. Laid by Central Construction Company. Maintained by railroad company.	55	179	1915	
Harrison avenue (city proper)	Asylum street, across Davis street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	154	300	1901	
Harrison avenue (city proper)	Northerly side of Decatur street, across Gloucester place. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	143	264	1905	
Harrison avenue (city proper)	Brow to track at Union Park street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	.....	12	1913	June 28, 1918.
Harrison avenue (city proper)	At Union Park street. Acme asphalt. Laid by Fred S. & A. D. Gore Corporation.	.....	140	1913	June 28, 1918.
Harrison avenue (city proper)	North side of Union Park street, across Malden street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	248	433	1902–03	
Harrison avenue (city proper)	Malden street to East Dedham street. Acme asphalt. Laid by Warren Brothers Company.	382	918	1909	
Harrison avenue (city proper)	East Newton street to 6 feet north of East Springfield street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	922	948 1,716	1888 1895	

Harrison avenue (city proper)	7 feet south of East Springfield street to 104 feet south of East Springfield street (east side). Trinidad asphalt. Laid by Barber Asphalt Paving Company.	.....	140	1888	
Harrison avenue (city proper)	6 feet north of East Springfield street to Northampton street, not including 7 feet south of East Springfield street to 104 feet south of East Springfield street (east side). Bitulithic. Laid by Warren Brothers Company.	508	1,174	1905	
Harrison avenue (city proper)	Northampton street to East Lenox street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	427	1,090	1903	
Harrison avenue (Roxbury)	At Dudley street. Pine wood block. Laid by James Doherty	16	72	1912	
Harvard avenue (Brighton)	19 feet south of Cambridge street to Brighton avenue.				
	Bitulithic. Laid by Coleman Brothers	843	2,594	1914	Aug. 7, 1919.
	Pine wood block (between tracks and brows to tracks). Laid by Coleman Brothers.		587	1914	Aug. 7, 1919.
Harvard avenue (Brighton)	Brighton avenue to 20 feet north of Commonwealth avenue.				
	Bitulithic. Laid by Coleman Brothers	884	3,211	1914	Aug. 7, 1919.
	Pine wood block (between tracks and brows to tracks). Laid by Coleman Brothers.		600	1914	Aug. 7, 1919.
Harvard avenue (Brighton)	North side of Commonwealth avenue to south side of Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	.....	103	1917	
Harvard avenue (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	16	90	1912	Oct. 21, 1918.
Harvard Bridge (city proper)	Boston side of draw to 270 feet west of southerly abutment. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	708	3,994	1913	
Harvard Bridge (city proper)	270 feet west of southerly abutment to southerly abutment. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	270	1,080	1912–13	
Harvard Bridge (city proper)	Boston side of draw to south abutment. Mack brick block (each side of rails). Laid by Fred S. & A. D. Gore Corporation.	.....	467	1912–13	
Harvard street (city proper)	Washington street to Harrison avenue. Pine wood block. Laid by J. H. McCarthy.	408	861	1910	
Harvard street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	76	1912	Oct. 21, 1918.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Harwood street (Dorchester)	Willowwood street to Lucerne street. Trinidad asphalt. Laid by James Doherty.	723	2,112	1916	Dec. 3, 1921.
Haskins street (Roxbury)	Ruggles street to 6 feet south of Ruggles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	14	1907	
Haskins street (Roxbury)	6 feet north of Vernon street to Vernon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	13	1907	
Haviland street (Roxbury)	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	5	14	1901	
Hawes street (city proper)	9 feet east of Congress street to Kilby street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	249	246	1904	
Hawley street (city proper)	At Summer street. Pine wood block. Laid by Northern Construction Company.	8	25	1915	Aug. 16, 1920.
Hayward place (city proper)	Washington street to 9 feet east of Washington street. Black gum wood block. Laid by United States Wood Preserving Company.	9	20	1906	
Hayward place (city proper)	9 feet east of Washington street to Harrison avenue. Acme asphalt. Laid by Boston Paving Company.	251	565	1913	Aug. 19, 1918.
Heath street (Roxbury)	Parker street to 7 feet north of Lawn street and from 72 feet north of Lawn street to 86 feet south of South Huntington avenue. Mack brick block. Laid by Field, Barker & Underwood, Inc.	3,045	12,627	1910	
Helen street (Dorchester)	7 feet west of Bernard street to 17 feet east of Talbot avenue. Trinidad asphalt. Laid by James Doherty.	331	1,003	1915	Nov. 2, 1920.
Helen street (Dorchester)	15 feet east of Talbot avenue to Talbot avenue. Mack brick block. Laid by James Doherty.	15	93	1911	
Hemenway street (Roxbury)	At Boylston street. Bitulithic. Laid by Warren Brothers Company	5	25	1905	
Henry street (East Boston)	At Maverick square. Aztec asphalt. Laid by Bermudez Company	10	34	1917	

Henshaw street (Brighton)	At Cambridge street. Bitulithic. Laid by Warren Brothers Company	25	274	1913	Oct. 24, 1918.
Hereford street (Roxbury)	Each side of Newbury street. Pine wood block. Laid by Patrick McGovern,	7	31	1903	
Hereford street (city proper)	Each side of Marlborough street. Bitulithic. Laid by James Doherty	6	28	1914	Aug. 3, 1919.
Hereford street (city proper)	At Beacon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	3	12	1907	
High street (Dorchester)	At Hancock street. Bessemer brick block. Laid by Fred S. & A. D. Gore Corporation.	8	29	1911	
Hillcrest street (West Roxbury)	Elgin street to 7 feet south of Elgin street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	7	23	1915	Dec. 2, 1920.
Hillcrest street (West Roxbury)	7 feet south of Elgin street to Temple street. Mexican asphalt. Laid by Central Construction Company.	518	1,507	1917	June 25, 1922.
Hinsdale street (Roxbury)	Commonwealth avenue to 8 feet south of Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	8	28	1917	
Hinsdale street (Roxbury)	8 feet south of Commonwealth avenue to Cummington street. Mack brick block. Laid by Fred S. & A. D. Gore Corporation.	226	856	1911	
Hollis street (city proper)	Tremont street to 1 foot east of Tremont street. Pine wood block. Laid by Bernard E. Grant.	1	3	1917	Nov. 15, 1922.
Hollis street (city proper)	7 feet east of Tremont street toward Washington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	254	478	1891	
Holyoke street (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	34	1906–07	
Homestead street (Roxbury)	Elm Hill avenue to Humboldt avenue. Mexican asphalt. Laid by Central Construction Company.	1,123	3,253	1917	July 18, 1922.
Hopestill street (Dorchester)	3 feet south of Aspinwall road to 8 feet south of Aspinwall road. Barrington brick block.	5	14	1907	
Hopestill street (Dorchester)	10 feet south of Aspinwall road to 6 feet north of Southern avenue. Trinidad asphalt. Laid by Charles J. Jacobs Company.	302	872	1915	May 29, 1920.
Howe street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	29	1910	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Howland street (Roxbury)	231 feet west of Humboldt avenue to 6 feet east of Harold street. Bitulithic. Laid by John F. Beatty.	422	1,219	1915	July 19, 1920.
Hubert street (Roxbury)	Shawmut avenue to Westminster street. Astec asphalt. Laid by Central Construction Company.	447	1,292	1916	Aug. 18, 1921.
Hudson street (city proper)	7 feet south of Beach street to 7 feet north of Kneeland street. Mexican asphalt. Laid by Central Construction Company.	306	816	1917	
Hudson street (city proper)	7 feet south of Kneeland street to 6 feet north of Harvard street. Mexican asphalt. Laid by Central Construction Company.	358	955	1917	
Hudson street (city proper)	6 feet south of Harvard street to 90 feet north of Curve street. Mexican asphalt. Laid by Central Construction Company.	822	2,192	1917	
Humboldt avenue (Roxbury)	At Seaver street. Acme asphalt (macadam base). Laid by Warren Brothers Company.	21	90	1917	Sept. 17, 1922.
Hunnewell avenue (Brighton)	At Atkins street. Mexican asphalt. Laid by Central Construction Company.	7	18	1917	July 19, 1922.
Huntington avenue (city proper)	At Boylston street (east side).				
	Bitulithic. Laid by Coleman Brothers	.....	444	1914	Nov. 3, 1919.
	Trinidad asphalt. Laid by Barber Asphalt Paving Company	.....	302	1901	
Huntington avenue (city proper)	Boylston street to 159 feet south of Boylston street (west side). Pine wood block. Laid by Coleman Brothers.	159	786	1914	Nov. 3, 1919.
Huntington avenue (city proper)	At St. James avenue. Bitulithic. Laid by James Doherty	100	578	1912	
Huntington avenue (city proper)	At St. James avenue and Dartmouth street. Bitulithic. Laid by Boston Elevated Railway Company.	40	328	1914	Nov., 1919.
Huntington avenue (city proper)	At Dartmouth street. Acme asphalt. Laid by Warren Brothers Company,	.....	180	1912	

Huntington avenue (city proper).....	159 feet south of Boylston street to 9 feet south of Dartmouth street. Trinidad asphalt. Laid by Barber Asphalt Paving Company..... Bitulithic. Laid by Boston Elevated Railway Company.....	325	2,570 177	1901 1914	Nov., 1919.
Huntington avenue (city proper).....	9 feet south of Dartmouth street to 84 feet north of bridge over Boston & Albany Railroad. Bitulithic. Laid by Warren Brothers Company.	600	3,350	1906	
Huntington avenue (city proper).....	84 feet north of bridge over Boston & Albany Railroad to bridge over Boston & Albany Railroad. Bitulithic. Laid by Warren Brothers Company.	84	490	1909	
Huntington avenue (city proper).....	At Exeter street. Bitulithic. Laid by Boston Elevated Railway Company,	.....	101	1914	Nov., 1919.
Huntington avenue (city proper).....	Bridge over Boston & Albany Railroad. Pine wood block. Laid by Central Construction Company.	92	633	1916	Dec. 11, 1921.
Huntington avenue (city proper).....	Bridge over Boston & Albany Railroad to 70 feet south of bridge over Boston & Albany Railroad. Trinidad asphalt. Laid by Simpson Brothers Corporation.	70	434	1909	
Huntington avenue (city proper).....	70 feet south of bridge over Boston & Albany Railroad to north side of Cumberland street, minus 685 feet north of West Newton street to 38 feet north of West Newton street (west roadway). Sicilian rock asphalt. Laid by Boston Asphalt Company.	1,520	6,635	1896	
Huntington avenue (city proper).....	685 feet north of West Newton street to 38 feet north of West Newton street (west roadway). Trinidad asphalt. Laid by Barber Asphalt Paving Company.	.....	1,831	1907	
Huntington avenue (Roxbury).....	North side of Cumberland street to 10 feet north of Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	737	4,083	1896	
Huntington avenue (Roxbury).....	9 feet south of Massachusetts avenue to 8 feet north of Gainsborough street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	570	3,155	1896	
I street (South Boston).....	East Broadway to East Fourth street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	252	952	1910	
Idlewild street (Brighton).....	Commonwealth avenue to 17 feet south of Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	17	38	1917	
Idlewild street (Brighton).....	17 feet south of Commonwealth avenue to 7 feet north of Brainerd road. Bitulithic. Laid by Charles J. Jacobs Company.	362	1,046	1915	Sept. 3, 1920.

List of Streets Having a Smooth Pavement —*Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
India street (city proper)	9 feet east of Milk street to angle near Export street. Mexican asphalt. Laid by Central Construction Company.	553	2,123	1917	
Intervale street (Dorchester)	Each side of Normandy street. Astec asphalt. Laid by Central Construction Company.	2	7	1916	Oct. 13, 1921.
Ipswich street (Roxbury)	Bridge over waterway. Sicilian rock asphalt. Laid by Boston Asphalt Company.	61	267	1898	
Irvington street (city proper)	At Huntington avenue. Trinidad asphalt. Laid by Simpson Brothers Corporation.	5	20	1909	
Isabella street (city proper)	At Ferdinand street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	8	20	1911	
Jerome street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	42	1911	
Joiner street (Charlestown)	Park street to Chelsea street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	161	413	1906	
Jones avenue (Dorchester)	Mascot street to Ballou avenue. Trinidad asphalt. Laid by James Doherty,	984	2,855	1916	June 13, 1921.
Joy street (city proper)	Beacon street to 12 feet north of Beacon street. Topeka (macadam base). Laid by Bernard E. Grant.	12	28	1917	Nov. 15, 1922.
Justin road (Brighton)	At Atkins street. Mexican asphalt. Laid by Central Construction Company.	7	18	1917	July 18, 1922.
K street (South Boston)	East Fourth street to East Sixth street. American rock asphalt. Laid by Jones & Meehan.	600	2,113	1906	
K street (South Boston)	East Sixth street to East Eighth street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	566	1,083	1896	
Kennard avenue (city proper)	At Poplar street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	1	3	1887	

Kennard avenue (city proper)	At Allen street. Mexican asphalt. Laid by Central Construction Company,	2	4	1917	
Kenney street (Roxbury)	Day street to 503 feet west of Day street. Trinidad asphalt. Laid by James Doherty.	503	1,113	1915	Nov. 10, 1920.
Kent street (Roxbury)	Roxbury street to Vernon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	440	933	1911	
Kenwood street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	30	1913	Oct. 21, 1918.
Kerwin street (Dorchester)	At Talbot avenue (crosswalk).				
	Barrington brick block. Laid by James Doherty	9	51	1907	
	Mack brick block. Laid by James Doherty	5	37	1911	
Kilby street (city proper)	Milk street to 6 feet north of Milk street. Pine wood block. Laid by James Doherty.	6	70	1910	
Kilby street (city proper)	6 feet north of Milk street to 56 feet south of Water street (west side). Trinidad asphalt. Laid by Barber Asphalt Paving Company.		1,292	1898	
Kilby street (city proper)	6 feet north of Milk street, across Central street (east side). American rock asphalt. Laid by Jones & Meehan.	394	1,520	1908	Aug. 31, 1918.
Kilby street (city proper)	At Liberty square. Trinidad asphalt. Laid by Barber Asphalt Paving Company.		505	1881	
Kilby street (city proper)	Central street to State street. Trinidad asphalt. Laid by Central Construction Company.	240	672	1915	
Kingston street (city proper)	Summer street to 6 feet south of Summer street. Pine wood block. Laid by Northern Construction Company.	6	18	1915	Aug. 16, 1920.
Kingston street (city proper)	6 feet south of Essex street to 7 feet north of Beach street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	479	1,828	1910	
Kirkland street (city proper)	10 feet south of Pleasant street toward Corning street. Acme asphalt. Laid by Warren Brothers Company.	361	519	1909	
Kittredge street (West Roxbury)	Cornell street to Beech street. Bitulithic. Laid by Charles J. Jacobs Company.	547	1,588	1916	July 6, 1921.
Laconia street (city proper)	Washington street to Harrison avenue. Mexican asphalt. Laid by Central Construction Company.	314	687	1917	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
La Grange street (city proper)	Tremont street to 10 feet east of Tremont street. Pine wood block. Laid by Bernard E. Grant.	10	20	1917	Nov. 15, 1922.
La Grange street (city proper)	10 feet east of Tremont street to 303 feet west of Washington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	171	335	1897	
Lamont street (Roxbury)	At Linden Park and Vernon streets. Mack brick block. Laid by J. E. Burns & Co.	14	25	1909	
Lawn street (Roxbury)	At Heath street. Mack brick block. Laid by Field, Barker & Underwood, Inc.	8	32	1910	
Lawn street (Roxbury)	At Heath street. Mack brick block. Laid by Field, Barker & Underwood, Inc.	8	23	1910	
Lawrence street (city proper)	At Berkeley street. Bitulithic. Laid by Warren Brothers Company	4	9	1906	
Lawrence street (city proper)	Each side of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	5	14	1914	Sept. 25, 1919.
Lawrence street (Charlestown)	East side of Lawrence avenue, across Miller street. Sicilian rock asphalt. Laid by Jones & Meehan.	385	1,014	1901	
Leslie street (Dorchester)	Dix street to Centre street. Trinidad asphalt. Laid by D. M. Biggs & Co.,	374	1,090	1915	Oct. 16, 1920.
Lewis street (city proper)	At Moon street. Bitulithic. Laid by Warren Brothers Company	1	2	1906	
Lincoln place (city proper)	Worcester street to West Springfield street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	203	298	1897	
Linden street (Brighton)	10 feet north of Brighton avenue to Brighton avenue. Aztec asphalt (macadam base). Laid by Bermudez Company.	10	22	1917	Dec. 7, 1922.
Linden street (Brighton)	Brighton avenue to 10 feet south of Brighton avenue. Aztec asphalt (macadam base). Laid by Bermudez Company.	10	22	1917	Dec. 7, 1922.

Linden street (Brighton)	22 feet north of Commonwealth avenue to Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	22	125	1917	
Linden Park street (Roxbury)	12 feet east of Cabot street to 4 feet east of Elmwood street. Mack brick block. Laid by J. E. Burns & Co.	1,015	3,242	1909	
Lingard street (Dorchester)	Magnolia street to Hartford street. Bitulithic. Laid by James Doherty...	594	1,791	1915	Sept. 17, 1920.
Lithgow street (Dorchester)	Wainwright street to Talbot avenue. Mexican asphalt. Laid by Central Construction Company.	683	2,042	1917	May 30, 1922
Long avenue (Brighton)	Commonwealth avenue to 11 feet north of Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	11	81	1917	
Long avenue (Brighton)	16 feet north of Commonwealth avenue to Allston street. Trinidad asphalt. Laid by Central Construction Company.	765	2,785	1914	Dec. 14, 1919.
Longwood avenue (Roxbury)	51 feet north of Huntington avenue to 9 feet south of Brookline avenue. Mack brick block. Laid by Field, Barker & Underwood, Inc.	2,078	7,850	1910	
Lorette street (West Roxbury)	Centre street to Hillcrest street. Aztec asphalt. Laid by Central Construction Company.	504	1,456	1916	July 10, 1922.
Lorne street (West Roxbury)	Harvard street to 646 feet northwest of Harvard street. Mexican asphalt. Laid by Central Construction Company.	646	1,880	1917	Oct. 15, 1922.
Lovering street (city proper)	8 feet east of Washington street to 8 feet west of Harrison avenue. Acme asphalt. Laid by James Doherty.	306	525	1913	June 16, 1918.
Lucas street (city proper)	Middlesex street to 2 feet north of Shawmut avenue. Asphalt blocks.....	98	81	1902	
Lucas street (city proper)	2 feet north of Shawmut avenue to Shawmut avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	2	2	1898	
Lucas street (city proper)	Shawmut avenue to 2 feet south of Shawmut avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	2	2	1898	
Lucas street (city proper)	10 feet south of Shawmut avenue to 9 feet north of Washington street. Scoria block. Laid by Paving Service.	322	254	1915	
Lyndehurst street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry.....	10	30	1913	Oct. 21, 1918.
Lynn street (city proper)	Cooper street to Thacher street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	294	457	1906	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Mackin street (Brighton)	Western avenue to Waverly street. Bitulithic. Laid by A. H. Archer	292	656	1915	Nov. 26, 1920.
Magazine street (Roxbury)	At Dudley street. Mack brick block. Laid by James Doherty	10	30	1910	
Main street (Charlestown)	Boston & Maine Railroad to Somerville line. Hassam pavement. Laid by Simpson Brothers Corporation.	139	672	1906	
Maitland street (Roxbury)	Beacon street to Boston & Albany Railroad. Mack brick block. Laid by Fred S. & A. D. Gore Corporation.	186	537	1912	
Malcolm street (city proper)	Pinckney street to Mt. Vernon street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	312	244	1912	
Malcolm street (city proper)	54 feet south of Mt. Vernon street to 8 feet north of Chestnut street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	200	150	1892	
Malden street (city proper)	12 feet east of Washington street to Harrison avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	519	1,501	1902	
Mall street (Roxbury)	At Dearborn street.				
	Acme asphalt. Laid by Warren Brothers Company	10	34	1916	Nov. 20, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		5	1916	Nov. 20, 1922.
Malvern street (Brighton)	At Brighton avenue. Astec asphalt (macadam base). Laid by Bermudez Company.	10	22	1917	Dec. 7, 1922.
Maple street (Roxbury)	At Seaver street. Acme asphalt (macadam base). Laid by Warren Brothers Company.	20	48	1917	Sept. 17, 1922.
Market street (Brighton)	At Washington street.				
	Bitulithic. Laid by Warren Brothers Company	3	41	1913	Oct. 24, 1918.
	Pine wood block (brows to street car rails). Laid by Warren Brothers Company.		1	1913	Oct. 24, 1918.
Marlborough street (city proper)	Arlington street to 15 feet west of Arlington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	15	60	1901	

Marlborough street (city proper).....	15 feet west of Arlington street to 10 feet east of Clarendon street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	1,226	4,904	1901	
Marlborough street (city proper).....	10 feet east of Clarendon street to Clarendon street. Bitulithic. Laid by Warren Brothers Company.	10	40	1905	
Marlborough street (city proper).....	Clarendon street to Dartmouth street. Bitulithic (macadam base). Laid by James Doherty.	575	2,300	1914	Aug. 3, 1919.
Marlborough street (city proper).....	Dartmouth street, across Exeter street. Bitulithic (macadam base). Laid by James Doherty.	591	2,359	1914	Aug. 3, 1919.
Marlborough street (city proper).....	Exeter street, across Fairfield street. Bitulithic (macadam base). Laid by James Doherty.	660	2,616	1914	Aug. 3, 1919.
Marlborough street (city proper).....	Fairfield street, across Gloucester street. Bitulithic (macadam base). Laid by James Doherty.	562	2,248	1914	Aug. 3, 1919.
Marlborough street (city proper).....	Gloucester street, across Hereford street. Bitulithic (macadam base). Laid by James Doherty.	435	1,740	1914	Aug. 3, 1919.
Marlborough street (city proper).....	Hereford street to Massachusetts avenue. Bitulithic (macadam base). Laid by James Doherty.	665	2,660	1914	Aug. 3, 1919.
Marlborough street (Roxbury).....	Massachusetts avenue to 3 feet west. Sicilian rock asphalt. Laid by Boston Asphalt Company.	3	16	1901	
Marlborough street (Roxbury).....	11 feet west of Massachusetts avenue to Charlesgate East. Bitulithic (macadam base). Laid by James Doherty.	640	2,418	1914	Aug. 3, 1919.
Marvin street (Roxbury).....	Shawmut avenue to Washington street. Pine wood block. Laid by Boston Paving Company.	256	573	1913	Oct. 22, 1918.
Mason street (city proper).....	West street to 6 feet south of West street. Black gum wood block. Laid by United States Wood Preserving Company.	6	14	1908	Sept. 19, 1918.
Mason street (city proper).....	6 feet south of West street to 213 feet south of West street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	209	459	1901	
Mason street (city proper).....	213 feet south of West street to 449 feet south of West street. Bitulithic. Laid by Warren Brothers Company.	236	480	1907	
Mason street (city proper).....	449 feet south of West street to 73 feet north of Avery street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	96	200	1909	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Mason street (city proper)	73 feet north of Avery street to 63 feet north of Avery street. Seyssel rock asphalt. Laid by Jones & Meehan.	10	23	1899	
Mason street (city proper)	63 feet north of Avery street to Avery street. Bitulithic. Laid by Coleman Brothers.	63	169	1914	Nov. 6, 1919.
Mason street (city proper)	Angle 53 feet north of Avery street to 12 feet east of Tremont street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	73	175	1900	
Mason street (city proper)	12 feet east of Tremont street to Tremont street. Pine wood block. Laid by Coleman Brothers.	12	31	1915	June 20, 1920.
Massachusetts avenue (city proper)	Albany street to 2 feet east of Harrison avenue.				
	(North roadway.) Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	622	1,899	1912	
	(South roadway.) Sicilian rock asphalt. Laid by Boston Asphalt Company.		1,866	1894	
Massachusetts avenue (city proper)	2 feet east of Harrison avenue to Harrison avenue. Bitulithic. Laid by Warren Brothers Company.	2	16	1905	
Massachusetts avenue (city proper)	Harrison avenue to 3 feet west of Harrison avenue. Bitulithic. Laid by Warren Brothers Company.	3	25	1905	
Massachusetts avenue (city proper)	3 feet west of Harrison avenue to Washington street.				
	(North roadway.) Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	670	2,009	1912	
	(South roadway.) Sicilian rock asphalt. Laid by Boston Asphalt Company.		1,974	1894	
Massachusetts avenue (city proper)	Washington street to Shawmut avenue.				
	(North roadway.) Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	341	1,003	1912	
	(South roadway.) Acme asphalt. Laid by Warren Brothers Company.		1,008	1910	
Massachusetts avenue (city proper)	Shawmut avenue to Tremont street.				
	(North roadway.) Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	921	2,889	1912	
	(South roadway.) Acme asphalt. Laid by Warren Brothers Company.		2,946	1910	

Massachusetts avenue (city proper)....	Tremont street to 13 feet east of Columbus avenue. (North roadway.) Bitulithic. Laid by Warren Brothers Company..... (South roadway.) Acme asphalt. Laid by Warren Brothers Company....	519	1,606 1,584	1907 1910	
Massachusetts avenue (city proper)....	13 feet east of Columbus avenue to Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	13	106	1906-07	
Massachusetts avenue (city proper)....	Columbus avenue to Providence Division New York, New Haven & Hartford Railroad. Bitulithic. Laid by Warren Brothers Company.	469	2,248	1903-06	
Massachusetts avenue (Roxbury).....	Providence Division, New York, New Haven & Hartford Railroad, to Huntington avenue. Bitulithic. Laid by Warren Brothers Company.	551	2,100	1903-06	
Massachusetts avenue (Roxbury).....	Huntington avenue, across Boylston street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	1,778	8,506	1901	
Massachusetts avenue (Roxbury).....	Boylston street to bridge over Boston & Albany Railroad. Acme asphalt. Laid by Warren Brothers Company..... Sicilian rock asphalt. Laid by Boston Asphalt Company.....	99	440 12	1909 1901	
Massachusetts avenue (Roxbury).....	Bridge over Boston & Albany Railroad. Pine wood block. Laid by Coleman Brothers.	75	500	1908	
Massachusetts avenue (Roxbury).....	Bridge over Boston & Albany Railroad to 47 feet north of Newbury street. Trinidad asphalt. Laid by James Doherty.	175	767	1914	Nov. 14, 1919.
Massachusetts avenue (Roxbury).....	47 feet north of Newbury street to 27 feet south of Marlborough street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	656	3,301	1901	
Massachusetts avenue (city proper)....	27 feet south of Marlborough street to south side of Beacon street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	326	1,557	1901	
Massachusetts avenue (city proper)....	Southerly side Beacon street to Harvard Bridge. Bitulithic. Laid by Warren Brothers Company.	237	1,080	1902	
Matchett street (Brighton).....	Washington street to 35 feet south of Perthshire road. Mexican asphalt. Laid by Central Construction Company.	852	2,105	1917	July 5, 1922.
Maverick square (East Boston).....	Sumner street, across Maverick street. Aztec asphalt. Laid by Bermudez Company.	502	3,062	1917	
Maverick street (East Boston).....	7 feet west of London street to 7 feet east of Havre street. Bitulithic. Laid by Warren Brothers Company.	162	558	1903	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Maverick street (East Boston)	At Maverick square. Astec asphalt. Laid by Bermudez Company	11	45	1917	
Maverick street (East Boston)	Bridge over Boston & Albany Railroad. Trinidad asphalt. Laid by E. R. Taylor Company Metropolitan brick block (in street car tracks)	38	59 72	1906–07 1906	
Mayhew street (Dorchester)	Roseclair street to Boston street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	846	2,461	1915	July 19, 1920.
Mayo street (city proper)	7 feet south of Castle street to Cobb street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	244	406	1897	
Maywood street (Roxbury)	At Blue Hill avenue. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	3	17	1917	
McLean street (city proper)	Chambers street to 8 feet east of Blossom street. Bitulithic. Laid by Warren Brothers Company.	510	1,307	1905	
McLean street (city proper)	8 feet east of Blossom street to Blossom street. Acme asphalt. Laid by Warren Brothers Company Bessemer brick block gutters. Laid by Warren Brothers Company	8	39 3	1917 1917	Nov. 15, 1922. Nov. 15, 1922.
Meander street (city proper)	7 feet east of East Dedham street to 8 feet west of Malden street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	292	416	1896	
Meander street (city proper)	8 feet west of Malden street to Malden street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	8	11	1902	
Melrose street (city proper)	Pleasant street to 7 feet west of Pleasant street. Pine wood block. Laid by Coleman Brothers.	7	19	1913	Dec. 13, 1918.
Melrose street (city proper)	7 feet west of Pleasant street to Ferdinand street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	737	1,885	1911	
Melville avenue (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	40	1913	Oct. 21, 1918.
Melvinside terrace (Dorchester)	Dorchester avenue to Minton street. Bitulithic. Laid by James Doherty	193	404	1915	June 23, 1920.

Mercer street (South Boston)	At Dorchester street. Bitulithic. Laid by Warren Brothers Company	4	16	1905	
Meridian street (East Boston)	At Maverick square. Aztec asphalt. Laid by Bermudes Company	9	12	1917	
Meridian street (East Boston)	24 feet north of Trenton street to 9 feet east of Eutaw street. Sicilian rock asphalt. Laid by Jones & Meehan.	221	540	1900	
Middleton street (Dorchester)	At Theodore street. Mexican asphalt. Laid by Central Construction Company.	6	18	1917	July 26, 1922.
Milk street (city proper)	20 feet west of east side of Pearl street, across Oliver street. Pine wood block. Laid by James Doherty.	300	1,156	1910	
Milk street (city proper)	Oliver street to 8 feet west of Broad street. Pine wood block. Laid by James Doherty.	279	1,045	1911	
Miller street (Charlestown)	Main street to Lawrence street. Sicilian rock asphalt. Laid by Jones & Meehan.	195	367	1901	
Millet street (Dorchester)	Each side of Talbot avenue. Mack brick block. Laid by James Doherty	26	135	1911	
Milton avenue (Dorchester)	Each side of Norfolk street. Bitulithic. Laid by James Doherty	18	123	1914	July 11, 1919.
Milton street (city proper)	Spring street to 2 feet north of Spring street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	2	3	1895	
Milton street (city proper)	2 feet north of Spring street to Brighton street. Seyssel rock asphalt. Laid by Jones & Meehan.	306	271	1899	
Mindora street (Roxbury)	At Station street. Bitulithic. Laid by John F. Beatty	1	3	1914	Dec. 18, 1919.
Montebello road (West Roxbury)	Forest Hills street to Walnut avenue. Bitulithic. Laid by Martino De Matteo.	1,077	3,051	1916	July 24, 1921.
Montgomery street (city proper)	Each side of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	5	29	1914	Sept. 25, 1919.
Montgomery street (city proper)	At West Canton street. Acme asphalt (macadam base). Laid by Warren Brothers Company.	3	15	1916	Oct. 21, 1921.
Moon street (city proper)	North square to 5 feet east of North square. Bitulithic. Laid by Warren Brothers Company.	5	11	1906	
Moon street (city proper)	5 feet east of North square to 6 feet west of Lewis street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	161	295	1891	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Moon street (city proper)	6 feet west of Lewis street to 7 feet east of Fleet street. Bitulithic. Laid by Warren Brothers Company.	100	188	1906	
Morse street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	30	1912	Oct. 21, 1918.
Morton street (city proper)	Salem street to 51 feet east of Endicott street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	274	213	1901	
Morton street (city proper)	51 feet east of Endicott street to 6 feet east of Endicott street. Standard asphalt. Laid by Central Construction Company.	45	35	1916	
Motley street (Roxbury)	At Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	9	21	1906	
Motte street (city proper)	7 feet east of Washington street to 12 feet west of Harrison avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	317	598	1892-99	
Moulton street (Charlestown)	Easterly side of Corey street to Vine street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	81	243	1897	
Moulton street (Charlestown)	Vine street to 8 feet east of Bunker Hill street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	113	343	1897	
Moultrie street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	8	24	1913	Oct. 21, 1918.
Mt. Ida road (Dorchester)	At Bowdoin street. Pine wood block. Laid by James Doherty	11	67	1909	
Mt. Pleasant avenue (Roxbury)	Each side of Dudley street. Mack brick block. Laid by James Doherty	21	73	1910	
Mt. Vernon street (city proper)	Archway under State House. Limmer rock and acme asphalts mixed. Laid by Porter & Pearl.	164	455	1911	
Mt. Vernon street (city proper)	State House to Joy street. Canton block. Brick block	263	776	1901	
Museum road (Roxbury)	Huntington avenue to 370 feet west of Huntington avenue. Topeka. Laid by Warren Brothers Company.	370	1,200	1917	

Mystic avenue (Charlestown)	East side of bridge over Boston & Maine Railroad to Somerville line. Metropolitan brick.	187	756	1910	
Mystic street (city proper)	Malden street to 7 feet west of Malden street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	7	6	1902	
Mystic street (city proper)	7 feet west of Malden street to 7 feet east of East Dedham street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	190	209	1896	
Mystic street (city proper)	East Dedham street to East Canton street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	202	315	1896	
Mystic street (city proper)	East Canton street to East Brookline street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	202	315	1896	
Nashua street (city proper)	At post office. Pine wood block. Laid by city forces	17	72	1916	
Nassau street (city proper)	At Ash street. Acme asphalt. Laid by Warren Brothers Company	7	15	1909	
Nelson street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	15	71	1914	July 11, 1919.
Neptune road (East Boston)	West side Boston, Revere Beach & Lynn Railroad to Bennington street. Mexican asphalt. Laid by Central Construction Company.	893	2,334	1917	
Newbury street (city proper)	At Arlington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	4	16	1901	
Newbury street (city proper)	Each side of Berkeley street. Bitulithic. Laid by Warren Brothers Company.	4	18	1903	
Newbury street (city proper)	4 feet east of Clarendon street to Clarendon street. Bitulithic. Laid by Warren Brothers Company.	4	7	1905	
Newbury street (city proper)	Clarendon street to 4 feet west of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	4	17	1905	
Newbury street (city proper)	Each side of Dartmouth street. Bitulithic. Laid by Warren Brothers Company.	9	38	1903	
Newbury street (city proper and Roxbury).	Fairfield street to 8 feet east of Hereford street. Pine wood block. Laid by United States Wood Preserving Company.	940	3,760	1901	
Newbury street (Roxbury)	8 feet east of Hereford street to 148 feet east of Massachusetts avenue. Pine wood block. Laid by Patrick McGovern.	565	2,327	1903	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Newbury street (Roxbury)	148 feet east of Massachusetts avenue to 15 feet east of Massachusetts avenue. Pine wood block. Laid by James Doherty.	133	465	1914	Nov. 14, 1919.
Newbury street (Roxbury)	15 feet east of Massachusetts avenue to Massachusetts avenue. Trinidad asphalt. Laid by James Doherty.	15	65	1914	Nov. 14, 1919.
Newbury street (Roxbury)	Massachusetts avenue to 16 feet west of Massachusetts avenue. Trinidad asphalt. Laid by James Doherty.	16	55	1914	Nov. 14, 1919.
Newland street (city proper)	West Brookline street to Pembroke street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	158	228	1902	
Newland street (city proper)	Pembroke street to West Newton street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	155	224	1902	
Nightingale street (Dorchester)	At Talbot avenue. Mack brick block. Laid by James Doherty	13	81	1911	
Norfolk street (Dorchester)	Washington street to 6 feet south of Washington street. Pine wood block. Laid by William J. Barry.	6	75	1913	Oct. 21, 1918.
Norfolk street (Dorchester)	78 feet west of Talbot avenue to 57 feet east of Edson street.				
	Bitulithic. Laid by James Doherty	1,795	6,550	1913	July 11, 1919.
	Pine wood block. (Brows to street car rails.) Laid by James Doherty		538	1913	July 11, 1919.
Norfolk street (Dorchester)	57 feet east of Edson street to bridge over New York, New Haven & Hartford Railroad, Midland Division.				
	Bitulithic. Laid by James Doherty	2,352	8,222	1914	July 11, 1919.
	Pine wood block. (Brows to street car rails.) Laid by James Doherty		671	1914	July 11, 1919.
Norman street (city proper)	7 feet north of Green street to South Margin street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	391	697	1905	
Normandy street (Dorchester)	North side Intervale street to Devon street. Astec asphalt. Laid by Central Construction Company.	485	1,403	1916	Oct. 13, 1921.
Normandy street (Dorchester)	Seaver street to Columbia road. Trinidad asphalt. Laid by James Doherty.	458	1,330	1915	Oct. 22, 1920.

North square (city proper)	North street to Moon street. Bitulithic. Laid by Warren Brothers Company.	235	1,217	1906	
Northampton street (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	34	1906	
Northampton street (city proper)	14 feet south of Tremont street to 9 feet north of Shawmut avenue. Wood block. Laid by Fred S. & A. D. Gore Corporation.	894	3,370	1911	
Northampton street (city proper)	Shawmut avenue to Washington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	370	648	1905	
North Anderson street (city proper)	7 feet south of Parkman street to Parkman street.				
	Acme asphalt. Laid by Warren Brothers Company	7	16	1916	Nov. 28, 1921.
	Bessemer brick block gutters. Laid by Warren Brothers Company		4	1916	Nov. 28, 1931.
North Anderson street (city proper)	Parkman street to Fruit street.				
	Acme asphalt. Laid by Warren Brothers Company	77	174	1916	Nov. 28, 1921.
	Bessemer brick block gutters. Laid by Warren Brothers Company		43	1916	Nov. 28, 1921.
North Beacon street (Brighton)	East side of bridge over Charles river to the Watertown line. Pine wood block. Laid by A. G. Tomasello.	193	1,170	1917	
North Bennet street (city proper)	Hanover street to Salem street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	545	910	1904	
North Grove street (city proper)	Cambridge street to Fruit street.				
	Acme asphalt. Laid by Warren Brothers Company	459	1,270	1917	Aug. 24, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		245	1917	Aug. 24, 1922.
North Harvard street (Brighton)	33 feet north of Soldiers Field road to Cambridge line. Pine wood block. Laid by Rowe Contracting Company.	219	973	1914	
North Margin street (city proper)	Stillman street to 6 feet south of Thacher street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	511	1,161	1895	
North Margin street (city proper)	6 feet north of Thacher street to 190 feet north of Thacher street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	184	476	1897	
North Russell street (city proper)	Cambridge street across Eaton street. Aztec asphalt. Laid by Bermudez Company.	435	996	1917	Nov. 3, 1922.
Norway street (Roxbury)	Huntington avenue to 4 feet west of Huntington avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	4	16	1896	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Norway street (Roxbury)	Falmouth street to 4 feet west of St. Paul street. Pine wood block. Laid by United States Wood Preserving Company.	307	917	1909	
Norway street (Roxbury)	Each side of Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	8	12	1901	
Norwell street (Dorchester)	At Talbot avenue. Mack brick block. Laid by James Doherty	13	43	1911	
Norwich street (city proper)	Mystic street to Meander street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	221	330	1896	
Oakwood street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	1	4	1913	July 11, 1919.
Ohio street (city proper)	Washington street to Shawmut avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	220	264	1896	
Old Harbor street (South Boston)	At Dorchester street. Bitulithic. Laid by Warren Brothers Company	5	17	1905	
Oliver street (city proper)	Milk street to 152 feet southerly Pine wood block. Laid by James Doherty.	152	501	1910	
Olney street (Dorchester)	At Geneva avenue. Mack brick block. Laid by Central Construction Company.	32	204	1911	
Oneida street (city proper)	8 feet east of Harrison avenue to 5 feet west of Albany street. Bitulithic. Laid by Warren Brothers Company.	495	1,045	1903	
Orchard street (Roxbury)	At Eustis street. Bitulithic. Laid by John F. Beatty	1	4	1914	Sept. 4, 1919.
Orchardfield street (Dorchester)	Freeport street to Dorchester avenue. Astec asphalt. Laid by Central Construction Company.	814	1,266	1916	Dec. 7, 1921.
Oswego street (city proper)	Harrison avenue to 3 feet east of Harrison avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	3	7	1901	
Oswego street (city proper)	3 feet east of Harrison avenue to Albany street. Seyssel rock asphalt. Laid by Jones & Meehan.	502	1,058	1899	

Otis street (city proper)	At Summer street. Pine wood block. Laid by Northern Construction Company.	8	29	1915	Aug. 16, 1920
Oxford street (city proper)	8 feet north of Beach street to 7 feet south of Essex street (macadam base). Mexican asphalt. Laid by Central Construction Company.	415	734	1917	
Paisley park (Dorchester)	At Upland avenue. Aztec asphalt. Laid by Central Construction Company.	15	53	1916	Nov. 28, 1921.
Palmer street (Roxbury)	121 feet east of Winslow street to 203 feet west of Eustis street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	132	293	1906	
Park square (city proper)	Boylston street to 100 feet south of Boylston street. Pine wood block. Laid by United States Wood Preserving Company.	100 2	715 290	1914 1915	
Park square (city proper)	100 feet south of Boylston street, across Eliot street. Black gum wood block. Laid by United States Wood Preserving Company.	382	2,797	1907	
Park square (city proper)	At Providence street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	.....	325	1912	
Park street (city proper)	At Tremont street. Pine wood block. Laid by Coleman Brothers.....	7	59	1915	June 20, 1920.
Park street (Dorchester)	Each side of Washington street. Pine wood block. Laid by William J. Barry.	20	80	1913	Oct. 21, 1918.
Parker street (Roxbury)	10 feet north of Edgar street to 8 feet south of Caldwell street. Bitulithic. Granite block base. Laid by Warren Brothers Company.	218	837	1912	
Parker street (Roxbury)	8 feet south of Caldwell street to 6 feet north of Ward street. Standard asphalt and Aztec asphalt (granite block base). Laid by Central Construction Company.	457	1,767	1916	
Parkland street (Brighton)	Winship street to Academy Hill road. Aztec asphalt. Laid by Coleman Brothers.	460	524	1917	Oct. 16, 1922.
Parkman street (city proper)	North Grove street to 7 feet east of North Anderson street. Acme asphalt. Laid by Warren Brothers Company..... Bessemer brick block gutters. Laid by Warren Brothers Company.....	203	369 100	1916 1916	Nov. 28, 1921. Nov. 28, 1921.
Parkman street (city proper)	7 feet east of North Anderson street, across Blossom street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	234	594	1898	
Parkman street (city proper)	Blossom street to 7 feet west of North Russell street. Acme asphalt. Laid by Warren Brothers Company.	229	476	1910	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Parkman street (city proper)	7 feet west of North Russell street to North Russell street. Astec asphalt. Laid by Bermudez Company.	7	12	1917	Nov. 3, 1922.
Parkton road (West Roxbury)	Perkins street to Perkins street. Concrete road. Laid by city forces.	1,169	2,903	1916	
Parkvale street (Brighton)	At Brighton avenue. Astec asphalt (macadam base). Laid by Bermudez Company.	10	22	1917	Dec. 7, 1922.
Parkview street (Roxbury)	At Seaver street. Acme asphalt (macadam base). Laid by Warren Brothers Company.	20	80	1917	Sept. 17, 1922.
Parmenter street (city proper)	9 feet west of Hanover street to 5 feet east of Salem street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	265	723	1902	
Parmenter street (city proper)	5 feet east of Salem street to Salem street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	5	15	1901	
Parnell street (city proper)	Lenox street to Sawyer street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	250	348	1902	
Paul street (city proper)	Emerald street to 1 foot west of Emerald street. Bitulithic. Laid by Warren Brothers Company.	1	2	1904	
Paul street (city proper)	1 foot west of Emerald street to Tremont street, minus intersections at Village and Albion streets. Seyssel rock asphalt. Laid by Jones & Meehan.	368	635	1897	
Peacevale road (Dorchester)	Norfolk street to 1 foot south of Norfolk street. Bitulithic. Laid by James Doherty.	1	4	1914	July 11, 1919.
Peacevale road (Dorchester)	1 foot south of Norfolk street to 7 feet north of Dunbar avenue. Trinidad asphalt. Laid by D. M. Biggs & Co.	801	2,315	1915	Oct. 14, 1920.
Pearl street (city proper)	Milk street to 153 feet south of Milk street. Pine wood block Laid by James Doherty.	153	508	1910	

Pelham street (city proper).....	Washington street to Shawmut avenue. Mexican asphalt. Laid by Central Construction Company.	303	655	1917	
Pemberton square (city proper).....	Front of Suffolk County Courthouse. Sicilian rock asphalt. Laid by Boston Asphalt Company.	323	1,365	1894	
Pembroke street (city proper).....	At Columbus square. Bitulithic. Laid by Fred S. & A. D. Gore Corporation.	4	17	1912	
Pembroke street (city proper).....	At Columbus avenue. Trinidad asphalt Laid by Barber Asphalt Paving Company.	9	34	1906–07	
Perham street (West Roxbury).....	New York, New Haven & Hartford Railroad to Vermont street. Mexican asphalt. Laid by Central Construction Company.	2,630	6,195	1917	Sept. 12, 1922.
Perth street (Dorchester).....	Quincy street to Fayston street. Bitulithic. Laid by James Doherty.....	218	630	1915	June 23, 1920.
Piedmont street (city proper).....	At Pleasant street. Pine wood block. Laid by Coleman Brothers.....	11	26	1913	Dec. 13, 1918.
Pinckney street (city proper).....	7 feet west of Charles street, across Brimmer street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	264	708	1895	
Pine street (city proper).....	Washington street to Harrison avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	403	567	1896	
Pleasant street (city proper).....	Washington street to Shawmut avenue. Pine wood block. Laid by Coleman Brothers.	408	1,917	1913	Dec. 13, 1918.
Pleasant street (city proper).....	Bridge over Boston Elevated Railway. Pine wood block. Laid by Coleman Brothers.	55	244	1913	Dec. 13, 1918.
Pleasant street (city proper).....	Tremont street to Eliot street. Pine wood block. Laid by Coleman Brothers.	964	4,405	1913–14	Dec. 13, 1918.
Pleasant street (city proper).....	Eliot street to Park square. Black gum wood block. Laid by United States Wood Preserving Company.	93	425	1907	
Pleasant street (Dorchester).....	Hancock street to 84 feet north of Hancock street. Bessemer brick block. Laid by Fred S. & A. D. Gore Corporation.	84	1,112	1911	
Poplar street (city proper).....	Chambers street, across Spring street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	615	1,250	1892	
Poplar street (city proper).....	Spring street to 8 feet south of Charles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	572	1,175	1887	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Porter street (city proper)	Bridge over Boston Elevated Railway. Pine wood block. Laid by Coleman Brothers.	11	18	1913	Dec. 13, 1918.
Porter street (East Boston)	Bridge over Boston & Albany Railroad. Acme asphalt. Laid by W. A. Murtfeldt Company.	37	128	1907	
Powellton road (Dorchester)	Columbia road to Glenarm street. Bitulithic. Laid by James Doherty	329	950	1915	June 19, 1920.
Prescott street (East Boston)	Bridge over Boston & Albany Railroad. Acme asphalt. Laid by W. A. Murtfeldt Company.	36	125	1907	
Prince street (city proper)	Garden Court street to Hanover street. Bitulithic. Laid by Warren Brothers Company.	134	523	1906	
Prince street (city proper)	9 feet west of Hanover street to 293 feet west of Hanover street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	284	934	1905	
Prince street (city proper)	293 feet west of Hanover street to 15 feet east of Salem street. Sicilian rock asphalt. Laid by Jones & Meehan.	198	697	1900	
Prince street (city proper)	15 feet east of Salem street to Salem street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	15	40	1901	
Prince street (West Roxbury)	Arborway at Centre street to Pond street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	1,379	4,079	1915	Nov. 22, 1920.
Providence street (city proper)	Park square to 75 feet east of Church street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	161	1,400	1912	
Public Alley No. 12 (city proper)	Poplar street to Public Alley No. 14. Sicilian rock asphalt. Laid by Boston Asphalt Company.	77	68	1903	
Public Alley No. 102 (city proper)	23 feet south of Marshall street to Creek square. Seyssel rock asphalt. Laid by Jones & Meehan.	182	184	1899	
Public Alley No. 301 (city proper)	Pinckney street to River street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	270	400	1897	

Public Alley No. 401 (city proper).....	Between Huntington avenue and St. Botolph street, from 96 feet west of Irvington street to 60 feet east of Garrison street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	350	362	1899
Public Alley No. 402 (city proper).....	Between Huntington avenue and St. Botolph street, from 67 feet west of Garrison street to 77 feet east of West Newton street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	358	374	1899
Public Alley No. 403 (city proper).....	Between Huntington avenue and St. Botolph street, from 65 feet west of West Newton street to 62 feet east of Cumberland street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	355	370	1899
Public Alley No. 404 (Roxbury).....	Between Huntington avenue and St. Botolph street, from 66 feet south of Cumberland street to Public Alley No. 405. Trinidad asphalt. Laid by Simpson Brothers Corporation.	534	533	1899
Public Alley No. 405 (Roxbury).....	Rear of northeast side of Massachusetts avenue, from 94 feet east of Huntington avenue to 62 feet west of St. Botolph street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	100	89	1899
Public Alley No. 414 (city proper).....	Between Beacon street and Marlborough street, from 53 feet east of Massachusetts avenue to Hereford street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	609	569	1901
Public Alley No. 415 (city proper).....	Between Beacon street and Marlborough street, from Hereford street to Gloucester street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	394	378	1901
Public Alley No. 416 (city proper).....	Between Beacon street and Marlborough street, from Gloucester street to Fairfield street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	520	490	1901
Public Alley No. 417 (city proper).....	Between Beacon street and Marlborough street, from Fairfield street to Exeter street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	620	579	1901
Public Alley No. 418 (city proper).....	At Dartmouth street. Bitulithic. Laid by Warren Brothers Company....	4	4	1903
Public Alley No. 419 (city proper).....	Dartmouth street to 4 feet east of Dartmouth street. Bitulithic. Laid by Warren Brothers Company.	4	4	1903
Public Alley No. 419 (city proper).....	Between Beacon street and Marlborough street, from 4 feet east of Dartmouth street to 12 feet west of Clarendon street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	550	488	1899

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Porter street (city proper)	Bridge over Boston Elevated Railway. Pine wood block. Laid by Coleman Brothers.	11	18	1913	Dec. 13, 1918.
Porter street (East Boston)	Bridge over Boston & Albany Railroad. Acme asphalt. Laid by W. A. Murtfeldt Company.	37	128	1907	
Powellton road (Dorchester)	Columbia road to Glenarm street. Bitulithic. Laid by James Doherty	329	950	1915	June 19, 1920.
Prescott street (East Boston)	Bridge over Boston & Albany Railroad. Acme asphalt. Laid by W. A. Murtfeldt Company.	38	125	1907	
Prince street (city proper)	Garden Court street to Hanover street. Bitulithic. Laid by Warren Brothers Company.	134	223	1906	
Prince street (city proper)	9 feet west of Hanover street to 293 feet west of Hanover street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	284	884	1906	
Prince street (city proper)	293 feet west of Hanover street to 15 feet east of Salem street. Sicilian rock asphalt. Laid by Jones & Meehan.	198	497	1910	
Prince street (city proper)	15 feet east of Salem street to Salem street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	15	40	1901	
Prince street (West Roxbury)	Arborway at Centre street to Pond street. Trinidad asphalt. Laid by Charles J. Jacobs Company.	1,379	4,079	1915	Nov. 22, 1920.
Providence street (city proper)	Park square to 75 feet east of Church street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	161	1,400	1912	
Public Alley No. 12 (city proper)	Poplar street to Public Alley No. 14. Sicilian rock asphalt. Laid by Boston Asphalt Company.	77	68	1903	
Public Alley No. 102 (city proper)	23 feet south of Marshall street to Creek square. Seyssel rock asphalt. Laid by Jones & Meehan.	182	184	1899	
Public Alley No. 301 (city proper)	Pinckney street to River street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	270	400	1897	

Public Alley No. 401 (city proper).....	Between Huntington avenue and St. Botolph street, from 96 feet west of Irvington street to 60 feet east of Garrison street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	350	362	1899
Public Alley No. 402 (city proper).....	Between Huntington avenue and St. Botolph street, from 67 feet west of Garrison street to 77 feet east of West Newton street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	358	374	1899
Public Alley No. 403 (city proper).....	Between Huntington avenue and St. Botolph street, from 65 feet west of West Newton street to 62 feet east of Cumberland street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	355	370	1899
Public Alley No. 404 (Roxbury).....	Between Huntington avenue and St. Botolph street, from 66 feet south of Cumberland street to Public Alley No. 405. Trinidad asphalt. Laid by Simpson Brothers Corporation.	534	533	1899
Public Alley No. 405 (Roxbury).....	Rear of northeast side of Massachusetts avenue, from 94 feet east of Huntington avenue to 62 feet west of St. Botolph street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	100	89	1899
Public Alley No. 414 (city proper).....	Between Beacon street and Marlborough street, from 53 feet east of Massachusetts avenue to Hereford street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	609	569	1901
Public Alley No. 415 (city proper).....	Between Beacon street and Marlborough street, from Hereford street to Gloucester street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	394	378	1901
Public Alley No. 416 (city proper).....	Between Beacon street and Marlborough street, from Gloucester street to Fairfield street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	520	490	1901
Public Alley No. 417 (city proper).....	Between Beacon street and Marlborough street, from Fairfield street to Exeter street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	620	579	1901
Public Alley No. 418 (city proper).....	At Dartmouth street. Bitulithic. Laid by Warren Brothers Company....	4	4	1903
Public Alley No. 419 (city proper).....	Dartmouth street to 4 feet east of Dartmouth street. Bitulithic. Laid by Warren Brothers Company.	4	4	1903
Public Alley No. 419 (city proper).....	Between Beacon street and Marlborough street, from 4 feet east of Dartmouth street to 12 feet west of Clarendon street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	550	488	1899

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Public Alley No. 419 (city proper).....	12 feet west of Clarendon street to Clarendon street. Bitulithic. Laid by Warren Brothers Company.	12	11	1905	
Public Alley No. 420 (city proper).....	Clarendon street to 10 feet east of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	10	9	1905	
Public Alley No. 420 (city proper).....	Between Beacon street and Marlborough street, from 10 feet east of Clarendon street to Berkeley street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	561	498	1897	
Public Alley No. 421 (city proper).....	15 feet west of Arlington street to 3 feet west of Arlington street. Vitrified brick.	12	11		
Public Alley No. 421 (city proper).....	3 feet west of Arlington street to Arlington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	3	3	1901	
Public Alley No. 422 (city proper).....	Between Commonwealth avenue and Marlborough street, from Arlington street to Berkeley street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	620	579	1902	
Public Alley No. 423 (city proper).....	Between Commonwealth avenue and Marlborough street, from Berkeley street to 3 feet east of Clarendon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	574	538	1902	
Public Alley No. 423 (city proper).....	3 feet east of Clarendon street to Clarendon street. Bitulithic. Laid by Warren Brothers Company.	3	3	1905	
Public Alley No. 424 (city proper).....	Clarendon street to 3 feet west of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	3	3	1905	
Public Alley No. 424 (city proper).....	Between Commonwealth avenue and Marlborough street, from 3 feet west of Clarendon street to 3 feet east of Dartmouth street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	549	487	1902	
Public Alley No. 424 (city proper).....	3 feet east of Dartmouth street to Dartmouth street. Bitulithic. Laid by Warren Brothers Company.	3	3	1903	

Public Alley No. 425 (city proper).....	Dartmouth street to 8 feet west of Dartmouth street. Bitulithic. Laid by Warren Brothers Company.	8	7	1903
Public Alley No. 425 (city proper).....	Between Commonwealth avenue and Marlborough street, from 8 feet west of Dartmouth street to 9 feet east of Exeter street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	548	478	1899
Public Alley No. 426 (city proper).....	Between Commonwealth avenue and Marlborough street, from Exeter street to Fairfield street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	620	591	1901
Public Alley No. 428 (city proper and Roxbury).	Between Commonwealth avenue and Marlborough street, from Gloucester street to Hereford street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	392	376	1901
Public Alley No. 429 (Roxbury).....	Between Commonwealth avenue and Marlborough street, from 55 feet west of Hereford street to 77 feet east of Massachusetts avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	530	501	1901
Public Alley No. 429 (Roxbury).....	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	5	4	1901
Public Alley No. 430 (Roxbury).....	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	7	6	1901
Public Alley No. 431 (city proper and Roxbury).	Between Commonwealth avenue and Newbury street, from 7 feet east of Hereford street to 83 feet west of Gloucester street. Trinidad asphalt. Laid by Simpson Brothers Corporation.	305	271	1899
Public Alley No. 434 (city proper).....	Between Commonwealth avenue and Newbury street, from Exeter street to 3 feet west of Dartmouth street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	550	478	1901
Public Alley No. 434 (city proper).....	3 feet west of Dartmouth street to Dartmouth street. Bitulithic. Laid by Warren Brothers Company.	3	3	1903
Public Alley No. 435 (city proper)....	At Dartmouth street. Bitulithic. Laid by Warren Brothers Company....	3	3	1903
Public Alley No. 435 (city proper).....	At Clarendon street. Bitulithic. Laid by Warren Brothers Company.....	4	4	1905
Public Alley No. 436 (city proper).....	Clarendon street to 15 feet east of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	15	13	1905

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Public Alley No. 436 (city proper).....	Between Commonwealth avenue and Newbury street, from 15 feet east of Clarendon street to Berkeley street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	562	528	1901	
Public Alley No. 437 (city proper).....	Between Commonwealth avenue and Newbury street, from Berkeley street to Arlington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	628	558	1898	
Public Alley No. 438 (city proper).....	Arlington street to 3 feet west of Arlington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	3	3	1901	
Public Alley No. 438 (city proper).....	Between Newbury street and Boylston street, from 3 feet west of Arlington street to 3 feet east of Berkeley street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	625	583	1901	
Public Alley No. 438 (city proper).....	3 feet east of Berkeley street to Berkeley street. Bitulithic. Laid by Warren Brothers Company.	3	3	1903	
Public Alley No. 439 (city proper).....	Clarendon street to 3 feet west of Clarendon street. Bitulithic. Laid by Warren Brothers Company.	3	3	1905	
Public Alley No. 439 (city proper).....	Clarendon street to Dartmouth street. Vitrified brick.....	553	492		
Public Alley No. 439 (city proper).....	At Dartmouth street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	1	1	1894	
Public Alley No. 440 (city proper).....	Between Newbury street and Boylston street, from Dartmouth street to 3 feet west of Dartmouth street. Bitulithic. Laid by Coleman Brothers.	3	7	1914	Nov. 3, 1919.
Public Alley No. 440 (city proper).....	Between Newbury street and Boylston street, from 3 feet west of Dartmouth street to Exeter street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	550	520	1901	
Public Alley No. 441 (city proper).....	Between Newbury street and Boylston street, from Exeter street to Fairfield street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	617	548	1903	

Public Alley No. 442 (city proper).....	Between Newbury street and Boylston street, from 59 feet west of Fairfield street to 110 feet east of Gloucester street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	351	312	1901	
Public Alley No. 442 (city proper).....	Between Newbury street and Boylston street, from 110 feet east of Gloucester street to Gloucester street. Pine wood block. Laid by Boston Asphalt Company.	100	89	1901	
Public Alley No. 444 (Roxbury).....	350 feet west of Hereford street to 532 feet west of Hereford street. Concrete road. Laid by Boston Transit Commission.	182	318	1914–15	
Public Alley No. 701 (city proper).....	Between Union Park street and Upton street, from 130 feet east of Tremont street to Shawmut avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	521	611	1899	
Public Alley No. 702 (city proper).....	Between Shawmut avenue and Tremont street, from Worcester street to West Springfield street. Seyssel rock asphalt. Laid by Jones & Meehan.	208	208	1899	
Public Alley No. 703 (city proper).....	40 feet west of Newland street to 40 feet east of Public Alley No. 702. Seyssel rock asphalt. Laid by Jones & Meehan.	118	103	1899	
Public Alley No. 705 (city proper).....	Street line of Tremont street to street line of Shawmut avenue. Concrete..	649	1,262		
Public Alley No. 821 (Roxbury).....	At Gainsborough street. Bitulithic. Laid by Warren Brothers Company..	3	3	1903	
Public Alley No. 901 (Roxbury).....	From 113 feet west of Hemenway street to 113 feet west of Hemenway street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	573	550	1902	
Public Alley No. 905 (Roxbury).....	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	5	4	1901	
Public Alley No. 908 (Roxbury).....	Massachusetts avenue to Marlborough street. Barrington brick block. Laid by Boston Construction Company.	552	493	1915	Oct. 9, 1920.
Quint avenue (Brighton).....	At Brighton avenue. Astec asphalt (macadam base). Laid by Bermudez Company.	10	22	1917	Dec. 7, 1922.
Randall street (city proper and Roxbury).	8 feet east of Harrison avenue to 6 feet west of Fellows street. Trinidad Astec asphalt. Laid by Central Construction Company.	325	724	1916	Aug. 18, 1921.
Randall street (Roxbury).....	6 feet east of Fellows street to 1 foot west of Albany street. Trinidad and Astec asphalt. Laid by Central Construction Company.	264	785	1916	Aug. 18, 1921.
Randall street (Roxbury).....	1 foot west of Albany street to Albany street. Bitulithic. Laid by Warren Brothers Company.	1	4	1907	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Raven street (Dorchester)	6 feet south of Crescent avenue to 444 feet south of Crescent avenue. Bitulithic. Laid by James Doherty.	438	1,264	1915	June 22, 1920.
Reedsdale street (Brighton)	At Brighton avenue. Astec asphalt (macadam base). Laid by Bermudez Company.	10	25	1917	Dec. 7, 1922.
Richwood street (West Roxbury)	Centre street to 28 feet west of Centre street. Topeka. Laid by Central Construction Company.	28	79	1917	
Richwood street (West Roxbury)	28 feet west of Centre street to Montview street. Topeka. Laid by Central Construction Company.	1,238	2,771	1917	Unfinished.
Ridgewood street (Dorchester)	Draper street to Topliff street. Bitulithic. Laid by James Doherty	1,063	3,075	1915	July 29, 1920.
Rill street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	29	1910	
Ripley road (Dorchester)	Vassar street to Harvard street. Astec asphalt. Laid by Central Construction Company.	673	1,946	1916	Dec. 11, 1921.
River street (city proper)	Beacon street to Mt. Vernon street. Acme asphalt. Laid by Warren Brothers Company.	564	1,220	1912	
Rochester street (city proper)	10 feet east of Harrison avenue to 4 feet west of Albany street. Trinidad asphalt. Laid by Central Construction Company.	494	1,110	1914	
Rogers street (South Boston)	Dorchester street to 21 feet south of Dorchester street. Bitulithic. Laid by Warren Brothers Company.	21	28	1914	Nov. 11, 1919.
Rogers street (South Boston)	21 feet south of Dorchester street to 12 feet north of Preble street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	332	445	1891	
Rosedale street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	32	1913	Oct. 21, 1918.
Rosewood street (Dorchester)	Oakland street to Randolph road. Trinidad asphalt. Laid by John Kelly Company.	1,524	4,417	1916	June 24, 1921.

Rowell street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	39	1911	
Roxbury street (Roxbury)	Washington street to Guild row. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	170	895	1904	
Roxbury street (Roxbury)	Shawmut avenue, across Kent street. Bitulithic. Laid by Warren Brothers Company.	557	2,160	1904	
Rugby road (Dorchester)	Oakland street to Randolph road. Mexican asphalt. Laid by Central Construction Company.	552	1,333	1917	July 28, 1922.
Ruggles street (Roxbury)	Washington street to Shawmut avenue. Pine wood block. Laid by Boston Paving Company.	455	1,277	1913	Oct. 22, 1918.
Ruggles street (Roxbury)	7 feet west of Shawmut avenue to Cabot street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	1,048	3,062	1907	
Ruggles street (Roxbury)	Cabot street to Tremont street. Mack brick block. Laid by J. E. Burns & Co.	460	1,874	1909	
Rutland square (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	56	1906–07	
St. Alphonsus street (Roxbury)	9 feet north of Tremont street, across Smith street. Bitulithic. Laid by Warren Brothers Company.	512	1,479	1905	
St. Botolph street (city proper)	9 feet east of West Newton street to West Newton street. Bitulithic. Laid by Central Construction Company.	9	36	1917	
St. Botolph street (city proper)	West Newton street to 9 feet west of West Newton street. Bitulithic. Laid by Central Construction Company.	9	36	1917	
St. Botolph street (Roxbury)	Each side of Massachusetts avenue. Bitulithic. Laid by Warren Brothers Company.	8	32	1903	
St. Cecilia street (Roxbury)	At Belvidere street. Bitulithic. Laid by Warren Brothers Company	1	3	1902	
St. Charles street (city proper)	At Chandler street. Acme asphalt (macadam base). Laid by Warren Brothers Company Bessemer brick block gutters. Laid by Warren Brothers Company	3	8 2	1916 1916	Oct. 28, 1921. Oct. 28, 1921.
St. Francis de Sales street (Roxbury)	Cabot street to Roxbury street. Bitulithic. Laid by James Doherty	452	746	1914	Sept. 8, 1919.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
St. Germain street (Roxbury)	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	2	10	1901	
St. James avenue (city proper)	8 feet west of Clarendon street to Huntington avenue. Bitulithic. Laid by Boston Elevated Railway Company.	453	1,576	1914	Nov., 1919.
St. James avenue (city proper)	At Huntington avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	.....	17	1901	
St. James avenue (city proper)	At Huntington avenue. Bitulithic. Laid by James Doherty	.....	590	1912	
St. Joseph street (West Roxbury)	At South street. Bitulithic. Laid by Warren Brothers Company	2	5	1913	Nov. 25, 1918.
St. Lukes road (Brighton)	Brighton avenue to 10 feet south of Brighton avenue. Astec asphalt (macadam base). Laid by Bermudez Company.	10	22	1917	Dec. 7, 1922.
St. Lukes road (Brighton)	24 feet north of Commonwealth avenue to Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	24	62	1917	
St. Paul street (Roxbury)	Falmouth street to Norway street. Pine wood block. Laid by United States Wood Preserving Company.	299	777	1909	
St. Stephen street (Roxbury)	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	2	9	1901	
St. William street (Dorchester)	Dorchester avenue to Auckland street. Trinidad asphalt. Laid by J. J. Sullivan.	317	923	1915	Oct. 18, 1920.
Salem street (city proper)	Endicott street to 6 feet south of Cross street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	173	330	1901	
Salem street (city proper)	6 feet north of Cross street to 5 feet north of south side of Baldwin place. Sicilian rock asphalt. Laid by Boston Asphalt Company.	700	1,384	1901	
Salem street (city proper)	5 feet north of south side of Baldwin place to 64 feet north of Baldwin place. Bitulithic. Laid by Warren Brothers Company.	74	150	1913	

Salem street (city proper)	64 feet north of Baldwin place to 1 foot north of Prince street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	117	262	1901	
Salutation street (city proper)	Hanover street to Commercial street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	340	253	1905	
Santuit street (Dorchester)	Roseland street to Welles avenue. Topeka. Laid by city forces	386	946	1917	
Saratoga street (East Boston)	Bridge over Boston & Albany Railroad.				
	Acme asphalt. Laid by W. A. Murtfeldt Company	95	180	1907	
	Metropolitan brick block (in street car tracks)		179	1907	
Saratoga street (East Boston)	Bridge over Boston, Revere Beach & Lynn Railroad. Mack brick	89	321	1913	
Saratoga street (East Boston)	West side bridge over Belle Isle inlet to Winthrop line. Metropolitan brick block. Laid by Lawlor Brothers.	100	378	1914	Dec. 21, 1919.
Sarsfield street (Roxbury)	At Columbus avenue. Bermudes asphalt. Laid by Boston Asphalt Company.	18	40	1906–07	
Saville street (West Roxbury)	Stratford street to Park street. Mexican asphalt. Laid by Central Construction Company.	314	740	1917	Sept. 30, 1922.
Schiller street (Roxbury)	At Heath street. Mack brick block. Laid by Field, Barker & Underwood, Inc.	8	25	1910	
School street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	28	1913	Oct. 21, 1918.
Sears street (city proper)	At India street. Mexican asphalt. Laid by Central Construction Company.	1	6	1916	
Seaver street (Roxbury)	Walnut avenue to Blue Hill avenue. Acme asphalt (macadam base). Laid by Warren Brothers Company.	4,093	15,760	1917	Sept. 17, 1922.
Seaverns avenue (West Roxbury)	At Centre street. Bitulithic. Laid by Warren Brothers Company	4	28	1913	Nov. 25, 1918.
Sedgwick street (West Roxbury)	At South street. Bitulithic. Laid by Warren Brothers Company	2	6	1913	Nov. 25, 1918.
Seneca street (city proper)	3 feet east of Harrison avenue to 2 feet west of Albany street. Mack brick block. Laid by Paving Service.	506	831	1910	
Shawmut avenue (city proper)	132 feet south of Castle street, across Cherry street. Trinidad asphalt. Laid by Central Construction Company.	327	956	1915	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Shawmut street (city proper)	At Pleasant street. Pine wood block. Laid by Coleman Brothers	9	27	1913	Dec. 13, 1918.
Sherborn street (Roxbury)	At Commonwealth avenue. Pine wood block. Laid by Clark & Gore	23	104	1915	Sept. 2, 1920.
Silver street (South Boston)	From A street to railroad bridge. Bitulithic. Laid by Warren Brothers Company.	327	490	1903	
Silver street (South Boston)	Railroad bridge to B street. Bitulithic. Laid by Warren Brothers Company.	157	251	1903	
Silver street (South Boston)	B street to C street. Sicilian rock asphalt. Laid by Jones & Meehan	512	740	1901	
Silver street (South Boston)	C street to D street. Sicilian rock asphalt. Laid by Jones & Meehan	510	737	1901	
Silver street (South Boston)	225 feet west of E street to E street. Bitulithic. Laid by Warren Brothers Company.	225	325	1903	
Silver street (South Boston)	5 feet west of Dorchester street to Dorchester street. Bitulithic. Laid by Warren Brothers Company.	5	8	1905	
Silver street (South Boston)	Dorchester street to 4 feet east of Dorchester street. Bitulithic. Laid by Warren Brothers Company.	4	6	1905	
Simmons street (Roxbury)	Vernon street to Linden Park street. Mack brick block. Laid by John E. Burns & Co.	645	1,434	1909	
Smith street (Roxbury)	St. Alphonsus street to 7 feet west of Phillips street. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	576	1,664	1917	
South street (West Roxbury)	Centre street to 7 feet north of Jamaica street. Bitulithic. Laid by Warren Brothers Company	1,295	4,427	1913	Nov. 25, 1918.
	Pine wood block. (Brows to street car rails.) Laid by Warren Brothers Company.		290	1913	Nov. 25, 1918.

South street (West Roxbury)	7 feet north of Jamaica street to north side Keyes street (east side). Bitulithic. Laid by Warren Brothers Company	.....	250	1913	Nov. 25, 1918.
	Pine wood block. (Brows to street car rails.) Laid by Warren Brothers Company.	.....	10	1913	Nov. 25, 1918.
South street (Brighton)	Chestnut Hill avenue to 8 feet east of Commonwealth avenue. Astec asphalt. Laid by Coleman Brothers.	602	1,504	1917	Nov. 17, 1922.
Southern avenue (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	42	1913	Oct. 21, 1918.
Southern avenue (Dorchester)	Each side of Talbot avenue. Mack brick block. Laid by James Doherty	30	193	1911	
South Margin street (city proper)	2 feet east of Norman street to 7 feet east of Staniford street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	187	380	1905	
Spear place (city proper)	At Pleasant street. Pine wood block. Laid by Coleman Brothers	10	9	1913	Dec. 13, 1918.
Spencer street (Dorchester)	At Talbot avenue. Mack brick block. Laid by James Doherty	12	61	1911	
Spofford road (Brighton)	At Commonwealth avenue. Mexican asphalt (macadam base). Laid by Central Construction Company.	20	47	1917	
Spring street (city proper)	Allen street to 3 feet north of Allen street. Mexican asphalt. Laid by Central Construction Company.	3	7	1917	
Spring street (city proper)	3 feet north of Allen street to Poplar street. Bitulithic. Laid by Warren Brothers Company.	202	400	1913	June 30, 1918.
Spring street (city proper)	Poplar street to Chambers street. Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	212	425	1895	
Spring street (city proper)	Chambers street to Leverett street. Trinidad asphalt (cobble base). Laid by Barber Asphalt Paving Company.	216	444	1895	
Spruce street (city proper)	Beacon street to 11 feet north of Beacon street. Topeka (macadam base). Laid by Bernard E. Grant.	11	14	1917	Nov. 15, 1922.
Stanhope street (city proper)	At Trinity place. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	7	15	1907	
Stanton street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	9	54	1914	July 11, 1919.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
State street (city proper)	Washington street to east side of old State House.				
	Pine wood block. Laid by James Doherty	115	521	1908	Dec. 4, 1918.
	Pine wood block. Laid by Bernard E. Grant	11	32	1916	Dec. 14, 1921.
Station street (Roxbury)	Columbus avenue to Parker street. Bitulithic. Laid by John F. Beatty..	613	1,770	1914	Dec. 18, 1919.
Stevens street (city proper)	Lincoln place, toward Shawmut avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	16	22	1897	
Stillman street (city proper)	Endicott street, across North Margin street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	170	453	1892–95	
Stillman street (city proper)	At Salem street. Sicilian rock asphalt. Laid by Boston Asphalt Company,	8	7	1901	
Stoddard street (city proper)	6 feet north of Howard street to 8 feet south of Court street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	121	135	1892	
Stoughton street (city proper)	At Albany street. Pine wood block. Laid by Bernard E. Grant	12	45	1917	
Stuart street (city proper)	At Dartmouth street and at Trinity place. Bitulithic. Laid by James Doherty.	6	26	1912	
Summer street (city proper)	At Washington street. Mack brick block. Laid by Northern Construction Company.	.....	38	1915	
Summer street (city proper)	Washington street to west side of South street. Pine wood block. Laid by Northern Construction Company.	1,229	5,668	1915	Aug. 16, 1920.
Sumner street (East Boston)	Bridge over Boston & Albany Railroad. Limmer rock asphalt. Laid by W. A. Murtfeldt Company.	38	187	1908	June 25, 1918.
Sun Court street (city proper)	7 feet north of North street to Moon street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	144	211	1891	
Talbot avenue (Dorchester)	At Lithgow street. Mexican asphalt. Laid by Central Construction Company.	.....	30	1917	May 30, 1922.

Talbot avenue (Dorchester)	66 feet east of Washington street to Washington street. Pine wood block. Laid by William J. Barry.	66	571	1913	Oct. 21, 1918.
Talbot avenue (Dorchester)	215 feet west of Norfolk street to 58 feet east of Blue Hill avenue. Mack brick block. Laid by James Doherty.	4,300	21,325	1911	
Tamworth street (city proper)	Boylston street to 9 feet south of Boylston street. Pine wood block. Laid by Warren Brothers Company.	9	14	1917	Aug. 15, 1922.
Tamworth street (city proper)	7 feet north of La Grange street to La Grange street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	7	12	1897	
Taylor street (city proper)	Dwight street to Milford street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	184	257	1896	
Temple place (city proper)	Washington street to 95 feet west of Washington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	95	318	1906	
Temple place (city proper)	95 feet west of Washington street to 22 feet east of Tremont street. Trinidad land asphalt. Laid by United States Paving Company.	386	1,229	1900	
Temple place (city proper)	22 feet east of Tremont street to Tremont street. Pine wood block. Laid by Coleman Brothers.	22	74	1915	June 20, 1920.
Temple street (West Roxbury)	Spring street to Ivory street. Mexican asphalt. Laid by Central Construction Company.	1,089	3,169	1917	June 25, 1922.
Tennyson street (city proper)	At Pleasant street. Pine wood block. Laid by Coleman Brothers	10	30	1913	Dec. 13, 1918.
Tetlow street (Roxbury)	At Worthington street. Trinidad asphalt. Laid by Central Construction Company.	4	14	1915	Jan. 15, 1921.
Thacher street (city proper)	12 feet east of Washington Street North to 5 feet east of Endicott street. Mexican asphalt. Laid by Central Construction Company.	187	512	1917	
Thacher street (city proper)	5 feet east of Endicott street to Endicott street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	5	15	1899	
Theodore street (Dorchester)	10 feet northeast of Morton street, across Middleton street. Mexican asphalt. Laid by Central Construction Company.	612	1,762	1917	July 26, 1922.
Thetford avenue (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	9	44	1914	July 11, 1919.
Thomas park (South Boston)	Around Telegraph Hill. Bitulithic. Laid by Warren Brothers Company	2,056	7,042	1905	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Thomas street (West Roxbury)	At Centre street. Bitulithic. Laid by Warren Brothers Company	2	7	1913	Nov. 25, 1918.
Tileston street (city proper)	9 feet north of Hanover street, across Unity street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	403	514	1905	
Tileston street (city proper)	Unity street to 6 feet south of Salem street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	157	119	1895	
Tremlett street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	32	1913	Oct. 21, 1918.
Tremont street (city proper)	Scollay square to 19 feet north of Boylston street (except next item). Pine wood block. Laid by Coleman Brothers.	2,834	10,625	1915	June 20, 1920.
Tremont street (city proper)	20 feet north of Winter street, across Temple place (west side). Pine wood block. Laid by United States Wood Preserving Company.	.....	685	1900	
Tremont street (city proper)	19 feet north of Boylston street to 8 feet north of Eliot st. Pine wood block. Laid by Bernard E. Grant.	453	2,046	1917	Nov. 15, 1922.
Tremont street (city proper)	8 feet south of Eliot street to 21 feet south of the north side of Common street. Pine wood block. Laid by Bernard E. Grant.	424	1,884	1917	Nov. 15, 1922.
Tremont street (city proper)	Bridge over Boston & Albany Railroad.				
	Standard asphalt. Laid by Boston & Albany Railroad Company	65	190	1912	
	Portland stone brick. Laid by Boston & Albany Railroad Company		128	1912	
Tremont street (city proper)	See Castle square.				
Tremont street (Roxbury)	St. Alphonsus street to Phillips street. Bitulithic. Laid by Warren Brothers Company.	587	1,854	1902	
Trent street (Dorchester)	Clarkson street to 6 feet north of Coleman street. Trinidad asphalt. Laid by William J. Rafferty & Co.	222	498	1915	Dec. 16, 1920.
Trescott street (Dorchester)	Pleasant street to Bakersfield street. Bitulithic. Laid by James Doherty	384	1,111	1914	Oct. 13, 1919.

Trinity place (city proper)	Huntington avenue to St. James avenue. Bitulithic. Laid by James Doherty.	124	346	1912	
Trinity place (city proper)	St. James avenue, across Stuart street. Bitulithic. Laid by James Doherty,	384	1,503	1912	
Trinity place (city proper)	Stuart street to 5 feet south of Stuart street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	5	14	1899	
Trinity place (city proper)	5 feet south of Stuart street, across Stanhope street. Trinidad asphalt. (East side.) Laid by Barber Asphalt Paving Company (West side.) Laid by Barber Asphalt Paving Company	262	406 349	1907 1900	
Trull street (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	29	1910	
Tuckerman street (South Boston)	Dorchester avenue to Middle street. Astec asphalt. Laid by Central Construction Company.	367	764	1916	Sept. 11, 1921.
Tudor street (South Boston)	C street to D street. Sicilian rock asphalt. Laid by Jones & Meehan	506	731	1901	
Tudor street (South Boston)	At Dorchester street. Bitulithic. Laid by Warren Brothers Company	4	6	1905	
Tufts street (city proper)	8 feet west of South street to 7 feet east of Lincoln street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	212	473	1901	
Tufts street (city proper)	8 feet west of Lincoln street to 13 feet east of Kingston street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	239	527	1901	
Tufts street (city proper)	13 feet east of Kingston street to Kingston street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	13	33	1910	
Tufts street (Charlestown)	Bunker Hill street to 141 feet north of Bunker Hill street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	141	415	1897	
Turner street (Brighton)	Washington street to Faneuil street. Astec asphalt. Laid by Coleman Brothers.	1,253	2,920	1917	Sept. 17, 1922.
Tyler street (city proper)	6 feet south of Beach street to 8 feet north of Kneeland street. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	306	815	1917	
Tyler street (city proper)	Kneeland street to Harvard street. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	319	850	1917	
Tyler street (city proper)	Harvard street to Oak street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	518	1,381	1901	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Tyler street (city proper)	Oak street to Curve street. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	428	1,152	1905	
Union Park street (city proper)	Washington street to Harrison avenue.				
	Acme asphalt. Laid by Fred S. & A. D. Gore Corporation	461	1,719	1913	June 28, 1918.
	Standard asphalt. Laid by Central Construction Company		685	1916	
Unity street (city proper)	Charter street to Tileston street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	330	500	1897	
Upham avenue (Dorchester)	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	30	1911	
Upland avenue (Dorchester)	Park street to Melville avenue. Astec asphalt. Laid by Central Construction Company.	748	2,509	1916	Nov. 28, 1921.
Utica street (city proper)	At Tufts street. Sicilian rock asphalt. Laid by Boston Asphalt Company	3	5	1901	
Vernon street (Roxbury)	Tremont street to Cabot street. Mack brick block. Laid by J. E. Burns & Co.	798	2,527	1909	
Vernon street (Roxbury)	80 feet east of Cabot street to 7 feet east of Auburn street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	694	1,788	1907	
Vernon street (Roxbury)	Shawmut avenue to Washington street. Pine wood block. Laid by Boston Paving Company.	281	814	1913	Oct. 22, 1918.
Vine street (Roxbury)	At Dudley street. Mack brick block. Laid by James Doherty	7	20	1910	
Vine street (Charlestown)	Bunker Hill street, across Moulton street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	165	670	1897	
Walden street (Roxbury)	At Heath street. Mack brick block. Laid by Field, Barker & Underwood, Inc.	8	18	1910	
Waldo terrace (Brighton)	Washington street to 1 foot north of Washington street. Bitulithic. Laid by Warren Brothers Company.	1	2	1913	Oct. 24, 1918.

Waldo terrace (Brighton)	1 foot north of Washington street to Henshaw street. Astec asphalt. Laid by Coleman Brothers.	291	406	1917	Oct. 16, 1922.
Wales street (Dorchester)	At Talbot avenue. Mack brick block. Laid by James Doherty	15	82	1911	
Walnut avenue (Roxbury and West Roxbury).	20 feet north of Columbus avenue to 13 feet south of Columbus avenue. Acme asphalt (macadam base). Laid by Warren Brothers Company.	68	214	1917	Sept. 17, 1922.
Walnut street (city proper)	Beacon street to 12 feet north of Beacon street. Topeka (macadam base). Laid by Bernard E. Grant.	12	21	1917	Nov. 15, 1922.
Walpole street (Roxbury)	At Columbus avenue. Bermudes asphalt. Laid by Boston Asphalt Company.	18	46	1906–07	
Warren avenue (city proper)	Berkeley street to 4 feet west of Berkeley street. Bitulithic. Laid by Warren Brothers Company.	4	25	1906	
Warren avenue (city proper)	4 feet west of Berkeley street to 4 feet east of Pembroke street. Pine wood block. Laid by Boston Paving Company.	2,046	12,217	1913	Dec. 23, 1918.
Warren street (Roxbury)	At Washington street. Pine wood block. Laid by James Doherty	10	73	1911	
Warren street (Roxbury)	At Dudley street. Pine wood block. Laid by James Doherty	23	216	1912	
Warren street (Charlestown)	Winthrop street, across Soley street. Mexican asphalt. Laid by Central Construction Company.	128	302	1917	
Warrenton street (city proper)	8 feet south of Eliot street to 392 feet south of Eliot street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	384	1,045	1891	
Warrenton street (city proper)	392 feet south of Eliot street to 9 feet north of Tremont street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	269	630	1884	
Warrenton street (city proper)	13 feet south of Shawmut avenue to Washington street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	464	928	1891	
Warwick street (Roxbury)	At Ruggles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	18	1907	
Washington Street North (Charlestown),	Bridge over Boston & Maine Railroad, Fitchburg Division. Trinidad asphalt. Laid by Simpson Brothers Corporation.	61	543	1899	
Washington street (city proper)	8 feet south of Cornhill to 78 feet south of Court avenue. Pine wood block. Laid by James Doherty.	509	1,475	1908	Nov. 21, 1918.

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Washington street (city proper).....	78 feet south of Court avenue to 5 feet south of Milk street. Black gum wood block. Laid by United States Wood Preserving Company, Pine wood block. Laid by Bernard E. Grant.....	538	218 1,642	1907 1917	Nov. 4, 1922.
Washington street (city proper).....	5 feet south of Milk street to 57 feet north of Essex street. Black gum wood block. Laid by United States Wood Preserving Company, Pine wood block. Laid by Bernard E. Grant.....	1,923	1,341 6,449	1906 1917	Nov. 4, 1922.
Washington street (city proper).....	57 feet north of Essex street to 54 feet south of Boylston street. Pine wood block. Laid by Bernard E. Grant.	213	360	1917	Nov. 4, 1922.
Washington street (city proper).....	54 feet south of Boylston street to 7 feet north of Beach street. Black gum wood block. Laid by United States Wood Preserving Company, Pine wood block. Laid by Bernard E. Grant.....	133	36 469	1906 1917	Nov. 4, 1922.
Washington street (city proper).....	At Pleasant street. Pine wood block. Laid by Coleman Brothers.....	.....	20	1913	Dec. 13, 1918.
Washington street (city proper).....	Bridge over Boston & Albany Railroad. Metropolitan brick. Laid by W. A. Murtfeldt Company.	60	216	1908	
Washington street (Roxbury).....	Williams street to 27 feet north of Marvin street. Pine wood block. Laid by James Doherty.	1,026	4,779	1911	
Washington street (Roxbury).....	27 feet north of Marvin street, across Zeigler street (west side). Trinidad asphalt. Laid by Barber Asphalt Paving Company.	.....	210	1904	
Washington street (Roxbury).....	Zeigler street to 20 feet north of Dudley street. Pine wood block. Laid by James Doherty.	186	745	1911	
Washington street (Roxbury).....	20 feet north of Dudley street to Dudley street. Pine wood block. Laid by James Doherty.	20	105	1912	
Washington street (Roxbury).....	Dudley street to 130 feet south of Dudley street. Pine wood block. Laid by James Doherty.	130	930	1912	

Washington street (West Roxbury)....	La Grange street southerly. Topeka (macadam base). East roadway. Maintained by Massachusetts Highway Commission..... West roadway. Maintained by Massachusetts Highway Commission.....	4,559	9,624 5,491	1916 1916	
Washington street (West Roxbury)....	29 feet south of Grove street to 529 feet south of Grove street (east roadway). Concrete road. Maintained by Massachusetts Highway Commission.	500	1,055	1916	
Washington street (Roxbury and Dorchester).	Blue Hill avenue to 116 feet south of Fenelon street, and from Eldon street to 42 feet south of Bowdoin street. Pine wood block. Laid by William J. Barry.	4,010	18,023	1912–13	Oct. 21, 1918.
Washington street (Dorchester).....	42 feet south of Bowdoin street, across Talbot avenue. Pine wood block. Laid by William J. Barry.	3,440	16,402	1913	Oct. 21, 1918.
Washington street (Brighton).....	Cambridge street to 126 feet west of Chestnut Hill avenue. Bitulithic. Laid by Warren Brothers Company..... Pine wood block. (Brows to street car rails.) Laid by Warren Brothers Company.	1,021	5,030 217	1913 1913	Oct. 24, 1918. Oct. 24, 1918.
Water street (city proper).....	2 feet west of Devonshire street to Devonshire street. Pine wood block. Laid by Bernard E. Grant.	2	6	1916	Dec. 14, 1921.
Water street (city proper).....	Devonshire street to 7 feet east of Devonshire street. Pine wood block. Laid by Bernard E. Grant.	7	33	1916	Dec. 14, 1921.
Water street (city proper).....	7 feet east of Devonshire street to 8 feet west of Congress street. Black gum wood block. Laid by United States Wood Preserving Company.	198	885	1907	
Water street (city proper).....	7 feet east of Congress street to Kilby street. Residual asphalt. Laid by Central Construction Company.	249	690	1915	
Water street (city proper).....	Liberty square to 19 feet east of Liberty square. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	19	46	1896	
Water street (city proper).....	19 feet east of Liberty square to 8 feet west of Broad street. Residual asphalt. Laid by Central Construction Company.	225	614	1915	
Waterford street (city proper).....	8 feet west of Washington street to 1 foot east of Shawmut avenue. Seyssel rock asphalt. Laid by Jones & Meehan.	307	529	1897	
Wellington street (city proper).....	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	34	1906–07	
Wensley street (Roxbury).....	At Heath street. Mack brick block. Laid by Field, Barker & Underwood, Inc.	8	53	1910	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Wentworth street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	1	4	1913	July 11, 1919.
West street (city proper)	Washington street to 8 feet west of Washington street. Mack brick block	8	20	1908	
West street (city proper)	8 feet west of Washington street to 22 feet east of Tremont street. Black gum wood block. Laid by United States Wood Preserving Company.	463	1,126	1908	Sept. 19, 1918.
West street (city proper)	22 feet east of Tremont street to Tremont street. Pine wood block. Laid by Coleman Brothers.	22	64	1915	June 20, 1920.
West Broadway (South Boston)	209 feet east of Dorchester avenue to 8 feet west of A street.				
	Sicilian rock asphalt. Laid by Boston Asphalt Company	348	666	1892	
	Acme asphalt. Laid by Warren Brothers Company		612	1917	Oct. 18, 1922.
West Broadway (South Boston)	8 feet west of A street to west side bridge over New England Division, New York, New Haven & Hartford Railroad.				
	Acme asphalt. Laid by Warren Brothers Company	371	1,193	1917	Oct. 18, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		188	1917	Oct. 18, 1922.
West Broadway (South Boston)	72 feet east of bridge over New England Division, New York, New Haven & Hartford Railroad to 148 feet west of F street.				
	Acme asphalt. Laid by Warren Brothers Company	2,153	7,181	1917	Oct. 18, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		862	1917	Oct. 18, 1922.
West Broadway (South Boston)	148 feet west of F street to 267 feet east of F street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	446	1,537	1897	
West Broadway (South Boston)	267 feet east of F street to 28 feet west of Dorchester street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	410	1,818	1898	
West Broadway (South Boston)	28 feet west of Dorchester street (south) to west side of Dorchester street (north). Bitulithic. Laid by Warren Brothers Company.	81	230	1905	
West Brookline street (city proper)	At Warren avenue. Pine wood block. Laid by Boston Paving Company	4	16	1913	Dec. 13, 1918.

West Canton street (city proper).....	13 feet west of Tremont street to 4 feet east of Warren avenue.				
	Acme asphalt (macadam base). Laid by Warren Brothers Company.....	585	1,866	1916	Oct. 21, 1921.
	Bessemer brick block gutters. Laid by Warren Brothers Company.....		320	1916	Oct. 21, 1921.
West Canton street (city proper).....	4 feet east of Warren avenue to Warren avenue. Pine wood block. Laid by Boston Paving Company.	4	18	1913	Dec. 13, 1918.
West Canton street (city proper).....	Warren avenue to 4 feet west of Warren avenue. Pine wood block. Laid by Boston Paving Company.	4	18	1913	Dec. 13, 1918.
West Canton street (city proper).....	4 feet west of Warren avenue to 2 feet east of Appleton street.				
	Acme asphalt (macadam base). Laid by Warren Brothers Company.....	257	828	1916	Oct. 21, 1921.
	Bessemer brick block gutters. Laid by Warren Brothers Company.....		145	1916	Oct. 21, 1921.
West Canton street (city proper).....	2 feet east of Appleton street to Appleton street. Bitulithic. Laid by Fred S. & A. D. Gore Corporation.	2	11	1912	
West Canton street (city proper).....	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	34	1906-07	
Westcott street (Dorchester).....	At Talbot avenue. Mack brick block. Laid by James Doherty.....	12	60	1911	
West Fifth street (South Boston).....	At Dorchester street. Bitulithic. Laid by Warren Brothers Company....	4	15	1905	
West Fourth street (South Boston)....	At Dorchester street. Bitulithic. Laid by Warren Brothers Company.....	5	19	1905	
West Fourth street (South Boston)....	2 feet east of E street to E street. Bitulithic. Laid by Warren Brothers Company.	2	7	1903	
West Fourth street (South Boston)....	E street to 207 feet west of E street. Bitulithic. Laid by Warren Brothers Company.	207	759	1903	
Westland avenue (Roxbury).....	At Massachusetts avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	1	9	1901	
Westminster street (Roxbury).....	At Hammond street. Pine wood block. Laid by Fred S. & A. D. Gore Corporation.	23	120	1912	
Westminster street (Roxbury).....	At Ruggles street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	6	17	1907	
West Newton street (city proper).....	13 feet west of Tremont street to 13 feet east of Columbus avenue. Bitulithic. Laid by Warren Brothers Company.	766	3,083	1904	

List of Streets Having a Smooth Pavement — *Continued.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
West Newton street (city proper).....	13 feet east of Columbus avenue to Columbus avenue. Bitulithic. Laid by Fred S. & A. D. Gore Corporation.	13	97	1912	
West Newton street (city proper).....	Columbus avenue to 4 feet south of Huntington avenue (not including New York, New Haven & Hartford Railroad Bridge). Bitulithic. Laid by Central Construction Company.	1,040	3,932	1917	
West Newton street (city proper).....	4 feet south of Huntington avenue to Huntington avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	4	19	1896	
West Newton street (city proper).....	Huntington avenue to 4 feet north of Huntington avenue. Sicilian rock asphalt. Laid by Boston Asphalt Company.	4	19	1896	
West Newton street (city proper).....	4 feet north of Huntington avenue to 11 feet north of Huntington avenue. Mexican asphalt (crushed stone base). Laid by Central Construction Company.	7	26	1917	
West Newton street (city proper).....	11 feet north of Huntington avenue, across Belvidere street. Bitulithic. Laid by Warren Brothers Company.	239	903	1908	
Weston street (Roxbury).....	At Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	9	20	1906-07	
West Rutland square (city proper)....	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	34	1906-07	
West Seventh street (South Boston)...	At Dorchester street. Bitulithic. Laid by Warren Brothers Company....	4	16	1905	
West Sixth street (South Boston).....	At Dorchester avenue. Bitulithic. Laid by Warren Brothers Company..	4	18	1905	
West Sixth street (South Boston).....	C street to D street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	503	1,490	1905	
West Springfield street (city proper)....	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	34	1906-07	

West Third street (South Boston).....	153 feet west of E street to 2 feet east of E street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	187	702	1892	
West Tremlett street (Dorchester).....	At Washington street. Pine wood block. Laid by William J. Barry.....	10	24	1913	Oct. 21, 1918.
Westwood street (Dorchester).....	Richfield street to the south street line of Wales place. Mexican asphalt. Laid by Central Construction Company.	581	1,755	1917	June 1, 1922.
Wharf street (city proper).....	At India street. Mexican asphalt. Laid by Central Construction Company.	1	4	1917	
Wheatland avenue (Dorchester).....	At Washington street. Pine wood block. Laid by William J. Barry.....	10	38	1913	Oct. 21, 1918.
Wheeler street (city proper).....	Shawmut avenue to Corning street. Acme asphalt. Laid by Warren Brothers Company.	360	585	1909	
Whitfield street (Dorchester).....	13 feet north of Talbot avenue to Talbot avenue. Mack brick block. Laid by James Doherty.	13	60	1911	
Whitfield street (Dorchester).....	Talbot avenue to 13 feet south of Talbot avenue. Mack brick block. Laid by James Doherty.	13	57	1911	
Whitfield street (Dorchester).....	13 feet south of Talbot avenue to 6 feet north of Southern avenue. Trinidad asphalt. Laid by Central Construction Company.	88	265	1914	Dec. 10, 1919.
Whitfield street (Dorchester).....	9 feet south of Southern avenue to 2 feet north of Norfolk street. Trinidad asphalt. Laid by Central Construction Company.	414	1,212	1914	Dec. 10, 1919.
Whitfield street (Dorchester).....	2 feet north of Norfolk street to Norfolk street. Bitulithic. Laid by James Doherty.	2	7	1914	July 11, 1919.
Whitman street (Dorchester).....	At Norfolk street. Bitulithic. Laid by James Doherty.....	1	4	1913	July 11, 1919.
Whitmore street (city proper).....	8 feet south of Kneeland street to 6 feet north of Harvard street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	235	417	1895	
Whitmore street (city proper).....	6 feet north of Harvard street to Harvard street. Pine wood block. Laid by J. H. McCarthy.	6	10	1910	
Whittemore terrace (Dorchester).....	At Hancock street. Mack brick block. Laid by Central Construction Company.	10	26	1910	
Whittier street (Roxbury).....	Cabot street to Tremont street. Mack brick block. Laid by John E. Burns & Co.	636	1,874	1909	

List of Streets Having a Smooth Pavement.— *Concluded.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Whittier street (Roxbury)	Tremont street to 5 feet east of Columbus avenue. Mack brick block. Laid by John E. Burns & Co.	207	782	1909	
Whittier street (Roxbury)	5 feet east of Columbus avenue to Columbus avenue. Bermudez asphalt. Laid by Boston Asphalt Company.	5	25	1906–07	
Wiget street (city proper)	Salem street to 6 feet west of Salem street. Sicilian rock asphalt. Laid by Boston Asphalt Company.	6	7	1901	
Wiget street (city proper)	6 feet west of Salem street to North Margin street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	253	233	1897	
Wiggin street (city proper)	North Bennet street to Tileston street. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	108	120	1905	
Wigglesworth street (Roxbury)	At Longwood avenue. Mack brick block. Laid by Field, Barker & Underwood, Inc.	8	23	1910	
Wilder street (Dorchester)	At Washington street. Pine wood block. Laid by William J. Barry	10	30	1912	Oct. 21, 1918.
Winchester street (city proper)	At Pleasant street. Pine wood block. Laid by Coleman Brothers	10	28	1913	Dec. 13, 1918.
Winship street (Brighton)	At Washington street. Bitulithic. Laid by Warren Brothers Company	18	140	1913	Oct. 24, 1918.
Winslow street (Roxbury)	At Zeigler street. Bitulithic. Laid by John F. Beatty	1	3	1914	Aug. 31, 1919.
Winslow street (Roxbury)	At Dudley street. Mack brick block. Laid by James Doherty	8	23	1910	
Winter street (city proper)	Washington street to 10 feet east of Tremont street. Bitulithic. Laid by Warren Brothers Company.	505	1,122	1913	Aug. 29, 1918.
Winter street (city proper)	10 feet east of Tremont street to Tremont street. Pine wood block. Laid by Coleman Brothers.	10	31	1915	June 20, 1920.
Winter street (Dorchester)	At Bowdoin street. Mack brick block. Laid by Central Construction Company.	9	45	1913	Sept. 12, 1918.

Winthrop street (East Boston)	At Maverick square. Aztec asphalt. Laid by Bermudez Company	9	17	1917	
Wirt street (Brighton)	At Washington street. Bitulithic. Laid by Warren Brothers Company	12	212	1913	Oct. 24, 1918.
Withington street (Dorchester)	At Norfolk street. Bitulithic. Laid by James Doherty	1	4	1913	July 11, 1919.
Woodcliff street (Roxbury)	Dacia street to Blue Hill avenue. Bitulithic. Laid by Warren Brothers Company.	310	896	1906	
Worcester street (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	34	1906-07	
Wordsworth street (East Boston)	Coleridge street to 70 feet north of Cowper street. Mexican asphalt. Laid by Central Construction Company.	316	1,090	1917	Aug. 6, 1922.
Wordsworth street (East Boston)	45 feet south of Homer street to 9 feet north of Horace street. Mexican asphalt. Laid by Central Construction Company.	335	1,186	1917	Aug. 6, 1922.
Worthington street (Roxbury)	8 feet south of Longwood avenue to Longwood avenue. Mack brick block. Laid by Field, Barber & Underwood, Inc.	8	23	1910	
Worthington street (Roxbury)	Longwood avenue to 8 feet north of Longwood avenue. Mack brick block. Laid by Field, Barber & Underwood, Inc.	8	26	1910	
Worthington street (Roxbury)	8 feet north of Longwood avenue to street No. 220. Trinidad asphalt. Laid by Central Construction Company.	828	2,395	1915	Jan. 15, 1921
Yarmouth street (city proper)	At Columbus avenue. Trinidad asphalt. Laid by Barber Asphalt Paving Company.	9	34	1906	
Zeigler street (Roxbury)	7 feet east of Washington street to Warren street. Granitoid concrete blocked pavement. Laid by R. S. Blome Company.	315	946	1908	
Zeigler street (Roxbury)	Warren street to Harrison avenue. Bitulithic. Laid by John F. Beatty	177	380	1914	Aug. 31, 1919.
Zeigler street (Roxbury)	8 feet east of Harrison avenue to 9 feet west of Dearborn street. Bitulithic. Laid by John F. Beatty.	866	1,864	1914	Aug. 31, 1919.
Zeigler street (Roxbury)	9 feet west of Dearborn street to Dearborn street.				
	Acme asphalt. Laid by Warren Brothers Company	9	15	1917	Nov. 20, 1922.
	Bessemer brick block gutters. Laid by Warren Brothers Company		5	1917	Nov. 20, 1922.

SUMMARIES OF SMOOTH PAVEMENT STREETS, FEBRUARY 1, 1918.

Asphalt.

KIND.	UNDER GUARANTY.		NOT UNDER GUARANTY.		TOTALS.	
	Length, Feet.	Area, Square Yards.	Length, Feet.	Area, Square Yards.	Length, Feet.	Area, Square Yards.
Trinidad asphalt	18,847	53,581	54,701	147,275	73,548	200,856
Sicilian rock asphalt	.....	.....	32,833	89,290	32,833	89,290
Seyssel rock asphalt	.....	.....	2,507	4,131	2,507	4,131
American rock asphalt	758	3,039	806	2,772	1,564	5,811
Limmer rock asphalt	38	187	.....	.....	38	187
Limmer rock and Acme asphalts mixed	.....	.....	164	455	164	455
Acme asphalt	14,773	49,664	5,075	13,898	19,848	63,562
Bermudez asphalt	.....	.....	4,018	16,060	4,018	16,060
Residual asphalt	.....	.....	1,272	3,810	1,272	3,810
Standard asphalt	.....	.....	110	1,870	110	1,870
Standard and Aztec asphalts	.....	.....	457	1,767	457	1,767
Aztec and Trinidad asphalts	589	1,489	.....	.....	589	1,489
Aztec asphalt	14,032	46,294	.....	.....	14,032	46,294
Mexican asphalt	21,470	111,717	6,980	18,494	28,450	130,211
Total asphalt	70,557	265,971	108,923	299,822	179,480	565,793

Wood Block.

KIND.	UNDER GUARANTY.		NOT UNDER GUARANTY.		TOTALS.	
	Length, Feet.	Area, Square Yards.	Length, Feet.	Area, Square Yards.	Length, Feet.	Area, Square Yards.
Pine	33,362	155,869	16,603	73,687	49,965	229,556
Black gum	469	1,140	691	8,253	1,160	9,393
W. & A. composite, wood and asphalt			319	1,418	319	1,418
Total, wood block	33,831	157,009	17,613	83,358	51,444	240,367

Brick Block.

Mack	9	1,406	24,598	95,629	24,607	97,035
Barrington	552	493	14	65	566	558
Metropolitan	100	378	469	2,094	569	2,472
Vitrified			12	11	12	11
Fire brick			192	293	192	293
Canton block			643	1,789	643	1,789
Bessemer	334	5,719	1,516	6,849	1,850	12,568
Portland stone				128		128
Total, brick block	995	7,996	27,444	106,858	28,439	114,854

Summaries of Smooth Pavement Streets, February 1, 1918.— *Concluded.*

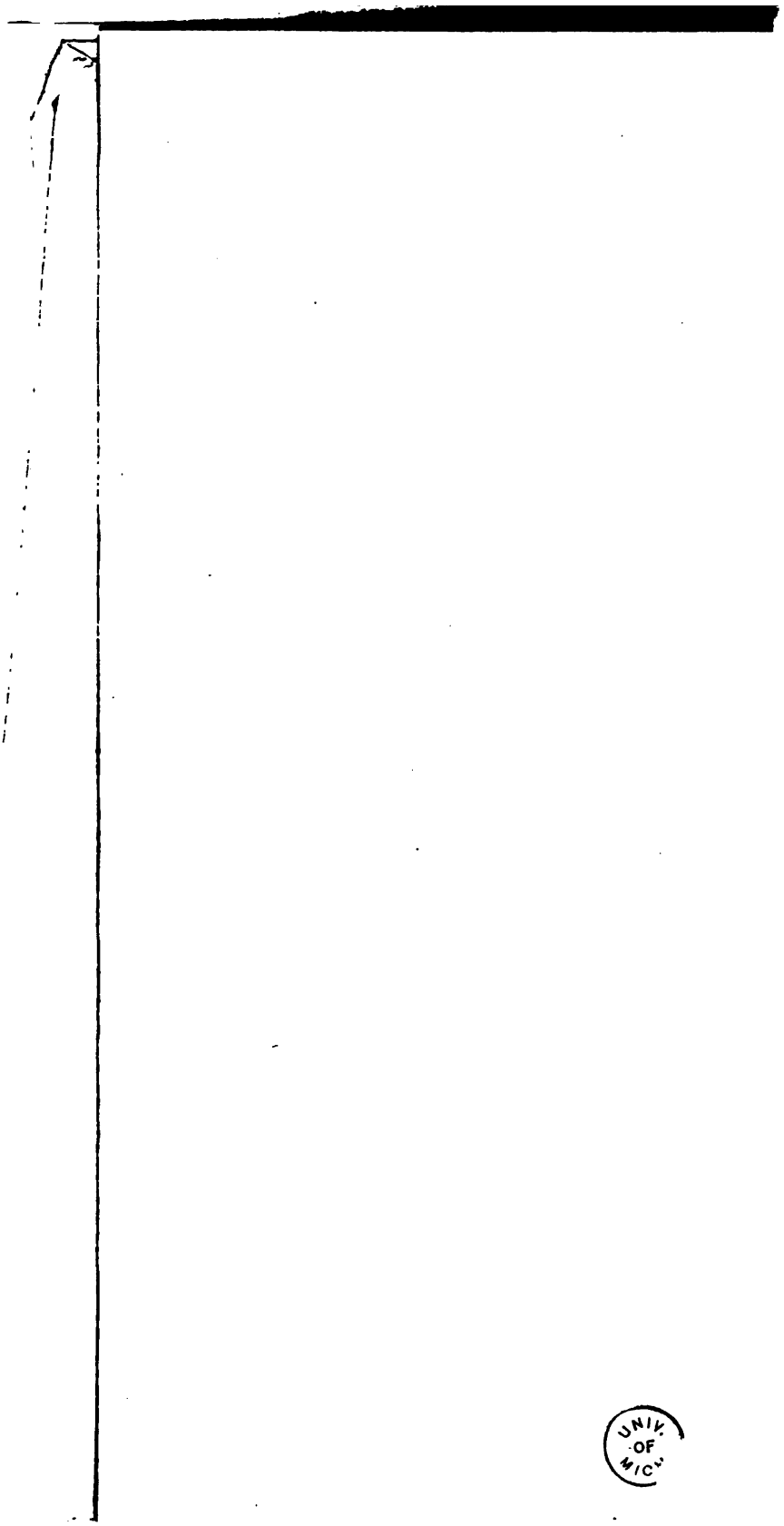
KIND.	UNDER GUARANTY.		NOT UNDER GUARANTY.		TOTALS.	
	Length, Feet.	Area, Square Yards.	Length, Feet.	Area, Square Yards.	Length, Feet.	Area, Square Yards.
Asphalt	70,557	265,971	108,923	299,822	179,480	565,793
Asphalt block	.....	.....	98	774	98	774
Bitulithic	39,698	160,204	28,429	103,973	68,127	264,177
Topeka	8,707	27,860	414	1,025	9,121	28,895
Endurite	.....	.....	.....	1,264	.....	1,264
Hassam pavement	.....	.....	139	672	139	672
Granitoid concrete block pavement	.....	.....	315	946	315	946
Concrete road	500	1,055	8,062	21,276	8,562	22,331
Roman road	433	1,250	.....	.....	433	1,250
Wood block	33,831	157,009	17,613	83,358	51,444	240,367
Brick block	995	7,996	27,444	106,858	28,439	114,854
Scoria block	.....	.....	322	254	322	254
Total of all smooth pavements	154,721	621,345	191,759	620,222	346,480	1,241,567

LIST OF STREETS PAVED WITH GRANITE BLOCKS HAVING A MAINTENANCE GUARANTY.

STREETS.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Albany street (city proper)	Dover street to 7 feet north of Stoughton street. Laid by Bernard E. Grant.	3,571	22,066	1916–17	Unfinished.
Amory street (Roxbury)	Centre street to 10 feet north of Bragdon street. Laid by James Doherty.	1,395	5,500	1917	June 1, 1922.
Batterymarch street (city proper)	2 feet west of Broad street to 93 feet west of Broad street. Laid by Bernard E. Grant.	91	282	1916	Oct. 20, 1921.
Batterymarch street (city proper)	Angle to Franklin street. Laid by Bernard E. Grant.	197	808	1916	Oct. 20, 1921.
Beach street (city proper)	Harrison avenue to Atlantic avenue. Laid by Bernard E. Grant.	1,264	4,811	1917	Aug. 6, 1922.
Beacon street (city proper)	12 feet west of Tremont street to 21 feet west of Park street. Laid by Bernard E. Grant.	827	2,318	1917	Oct. 21, 1922.
Beacon street (city proper)	21 feet west of Park street to Charles street. Gutters. Laid by Bernard E. Grant.	.....	1,125	1917	Nov. 15, 1922.
Canal street (city proper)	Haymarket square to Causeway street. Laid by Bernard E. Grant.	1,060	5,493	1917	July 9, 1922.
Columbia road (Dorchester)	8 feet north of Dudley street to 52 feet south of East Cottage street. Laid by Bernard E. Grant.	1,461	4,630	1916	Nov. 18, 1921.
Devonshire street (city proper)	Dock square to 75 feet south of Dock square (east side). Laid by Bernard E. Grant.	75	117	1916	Dec. 14, 1921.
Dorchester avenue (Dorchester)	8 feet south of Savin Hill avenue to 148 feet south of Charles street. Laid by Bernard E. Grant.	4,637	14,834	1916–17	Unfinished.
Dorchester avenue (Dorchester)	Peabody square to 119 feet south of Bellows place. Laid by James Doherty.	3,935	5,247	1917	Unfinished.
Harrison avenue (city proper)	Bridge over Boston & Albany Railroad to 4 feet south of Asylum street. Laid by Bernard E. Grant.	370	1,398	1917	Unfinished.
Harrison avenue (city proper)	4 feet south of Asylum street, across Davis street (at street car tracks). Laid by Bernard E. Grant.	.....	282	1917	Unfinished.

List of Streets Paved with Granite Blocks Having a Maintenance Guaranty.—*Concluded.*

Streets.	Limits.	Length in Feet.	Area, Square Yards.	Year Laid.	Guaranty Expires.
Harrison avenue (city proper)	Davis street to 1 foot north of Decatur street. Laid by Bernard E. Grant	257	942	1917	Unfinished.
Harrison avenue (city proper)	1 foot north of Decatur street, across Gloucester place (at street car tracks). Laid by Bernard E. Grant.		260	1917	Unfinished.
Harrison avenue (city proper)	Gloucester place to Dover street. Laid by Bernard E. Grant	164	602	1917	Unfinished.
Haymarket square (city proper)	Laid by Bernard E. Grant	527	7,494	1917	Sept. 15, 1922.
India street (city proper)	State street to 9 feet east of Milk street. Laid by Bernard E. Grant	381	4,430	1917	June 19, 1922.
Lincoln street (city proper)	Essex street to Beach street. Laid by Bernard E. Grant	505	2,422	1917	July 29, 1922.
Neponset avenue (Dorchester)	South side Minot street to 25 feet south of Ashmont street. Laid by John F. Lynch.	1,781	6,415	1917	Unfinished.
Overland street (Roxbury)	At Boston & Albany Railroad. Laid by James J. Coughlan Company	49	209	1917	Unfinished.
Park street (city proper)	At Beacon street. Laid by Bernard E. Grant	29	170	1917	Unfinished.
School street (city proper)	Washington street to Tremont street. Laid by Bernard E. Grant	570	1,298	1916	Nov. 13, 1921.
State street (city proper)	6 feet west of India street to 6 feet east of India street. Laid by Bernard E. Grant.	266	1,247	1917	June 19, 1922.
Summer street (city proper)	West side South street to harbor line, Fort Point channel Laid by Henry J. Clark.	1,362	10,129	1917	July 16, 1922.
Washington street (city proper)	Haymarket square to Elm street. Laid by Bernard E. Grant	738	3,485	1917	Sept. 24, 1922.
Washington street (West Roxbury)	Arborway across Asticou road (west side). Laid by James Doherty		2,123	1916	Dec. 2, 1921.
	Totals	25,512	110,137		



UNIV. OF MICH.

HIGHWAY DIVISION — SANITARY SERVICE.

FINANCIAL STATEMENT.

Appropriation	$1,014,602 48
Transfers	16,554 51
Total	$1,031,156 99

INCOME.

Statement showing amount of cash and bills deposited with the City Collector from February 1, 1917, to January 31, 1918, and credited to general revenue.

Tickets for the removal of ashes and waste	$57,384 46
Bills for the removal of ashes and waste	120 89
Manure	992 21
Work done and materials furnished	128 76
Old material sold	207 06
	$58,833 38

AMOUNT PAID INTO THE CITY TREASURY DURING THE YEAR.

Removal of ashes and waste	$57,577 94
Old material	207 06
Manure	992 21
	$58,777 21

Total Cost of House Dirt, Waste, Rubbish and House Offal.

Salaries of division engineer, supervisor and medical inspector	$4,079 10
Office supplies and expenses, printing, stationery, etc.	3,343 24
Ashes, waste and rubbish	657,677 53
House offal	277,019 68
Annuities	600 00
Retired veterans' pensions	4,245 12
Retired laborers' pensions	14,499 53
Carried forward	$961,464 20

Brought forward		$961,464 20
Construction, repair and horseshoeing account:		
Expended for labor . . .	$49,527 35	
Expended for stock . . .	20,165 44	
		69,692 79
		$1,031,156 99
Work done for other services and paid for by the payment of bills and pay rolls:		
Bridge Service		$682 94
Paving Service		2,862 97
Sewer Service		592 88
Street Cleaning Service		7,968 84
Water Service		1,759 89
County of Suffolk		1,963 57
		* $15,831 09

* Includes bills paid by the County of Suffolk for the care of horses, etc., to the amount of $1,963.57.

Items of Expenditure for the Year 1917-18.

Salary, division engineer (in part)	$834 00
Salary, medical inspector (in part)	499 98
Salary, chief veterinarian (in part)	1,000 00
Salary, supervisor (in part)	1,745 12
Salaries, yard clerks	1,731 32
Salaries, foremen	12,565 28
Labor, collecting and disposing of house dirt and ashes	257,552 09
Labor, collecting and disposing of waste and rubbish	28,551 38
Labor, collecting and disposing of house offal	165,043 79
Labor and stock at stable and yards	53,064 07
Hired teams on ashes	116,567 02
Hired teams on offal	4,475 00
Contracts on ashes, East Boston, Brighton, West Roxbury and Dorchester	120,868 05
Contracts on offal, East Boston, Brighton, West Roxbury and Dorchester	48,172 06
Holidays, pay allowed	34,358 85
Vacations, pay allowed	15,370 75
Grain	30,880 05
Hay and straw	21,323 42
Medical attendance and pay allowed injured employees	7,381 15
Veterinary services and medicine	805 61
Outside board of horses	1,132 00
Outside wheelwright, blacksmith, horseshoeing, etc	8,270 23
Labor and stock, wheelwright, blacksmith, painting, etc	58,857 76
Repairs to stable and sheds	2,354 70
Fuel	2,074 92
Gas	438 23
Electric light and power	3,277 27
Printing, stationery, office supplies, etc	2,529 50
Automobile expense	8,247 31

AUTOMOBILE.	South Boston. Electric Truck.	Roxbury. Electric Truck.	Roxbury. Ford.	South End. Ford Truck.	West End. Ford.	Total.
Cost					$379 07	$379 07
Supplies	$291 41	$1,211 60	$4 10	$33 60		1,540 71
Repairs	439 37	1,478 44	51 70	82 72	14 89	2,067 12
Tires and tubes	221 76	352 00	61 27	57 30	17 87	710 20
Gasolene			66 20	113 41		179 61
Storage	40 84	12 49			2 24	55 57
Chauffeur's wages	1,092 00	2,223 03				3,315 03
Totals	$2,085 38	$5,277 56	$183 27	$287 03	$414 07	$8,247 31

Telephone tolls and rentals	1,841 43
Annuities	600 00
Retired veterans' pensions	4,245 12
Retired laborers' pensions	14,499 53
	$1,031,156 99

Construction and Repair Shops, 1917–18.

For work done and materials furnished for other services and for the Sanitary Service the different shops received and expended the following amounts:

	Stock and Labor.		Total.
	Other Services.	Sanitary.	
Wheelwright	$2,521 47	$9,919 10	$12,440 57
Blacksmith	4,219 87	10,815 12	15,034 99
Paint	3,483 11	6,436 83	9,919 94
Harness	2,199 53	8,553 30	10,752 83
Horseshoeing — South End,	1,094 52	3,203 71	4,298 23
Horseshoeing — West End,	169 02	2,559 83	2,728 85
Horseshoeing — Roxbury	180 00	2,495 35	2,675 35
Totals, stock and labor,	$13,867 52	$43,983 24	$57,850 76

Foreman	$1,795 04	
Clerk	734 48	
Express teamster	803 39	
Holidays, pay allowed	4,905 44	
Vacation and military	1,978 47	
Expended for electric power	405 72	
		$10,622 54
Total cost, maintenance		$68,473 30
Income from outside services and departments		13,867 52
Net cost of shops		$54,605 78

Detailed Accounts of Amounts Paid to the Sanitary Service during Year Ending January 31, 1918, by the Payment of Bills and Pay Rolls.

For repair and construction work	$12,786 32
For horseshoeing	1,642 89
For hay, straw, grain and board and care of horses,	696 00
For feeders, stablemen and watchmen	696 00
For furnishing of prison vans and printing	9 88
	* $15,831 09

* Includes bill paid by the County of Suffolk, $1,963.57.

Horseshoeing by Services.

KINDS AND STYLES.	HIGHWAY DIVISION.			Sewer and Water Division, Sewer Service.	Sewer and Water Division, Water Service.	County of Suffolk.	Totals.
	Sanitary Service.	Street Cleaning and Oiling Service.	Paving Service.				
Plain shoes	6,583	4,090	468	71	431	142	11,785
Bar shoes	438	292	24	18	29	17	818
Leathers	6,049	3,605	166	30	201	111	10,162
Resets	1,547	663	63	8	150	55	2,486
Pads	186	322	144	12	16	38	718

Cost of Horseshoeing.

	Division Shops.	Outside Shops.
Stock	$3,018 20	$2,946 77
Labor	6,684 23	
Totals	$9,702 43	$2,946 77

Amount Expended for the Collection and Disposal of Ashes, Garbage, Waste and Rubbish by Districts.

	Population.	Ashes.		Paper.		Offal.		Total Cost.	Total Cost per Capita.
		Cost.	Cost per Capita.	Cost.	Cost per Capita.	Cost.	Cost per Capita.		
District 1	78,005	$36,437 42	$0.4671	$507 13	$0.0065	$19,006 53	$0.2436	$55,951 08	$0.7172
District 2	68,869	15,280 10	0.2218	.....	.....	6,741 35	0.0978	22,021 45	0.3196
District 3	41,524	27,027 66	0.6532	.....	.....	10,692 12	0.2574	37,719 78	0.9083
District 4	36,470	21,680 54	0.5944	.....	.....	8,074 02	0.2213	29,754 56	0.8158
District 5	54,531	31,819 48	0.5906	1,562 00	0.0288	14,199 32	0.2603	47,580 80	0.8725
District 6	144,534	79,114 20	0.5473	.....	.....	39,669 50	0.2813	118,783 70	0.8218
District 7	131,813	103,838 41	0.7877	3,422 75	0.0259	40,334 73	0.3059	147,595 89	1.1197
District 8 and 9	119,960	127,292 54	1.0694	30,900 60	0.2575	44,326 15	0.3695	202,519 29	1.6883
District 10	87,474	87,752 51	1.0031	9,003 81	0.1029	18,086 31	0.2065	114,842 63	1.3128
Hyde Park	18,448	5,238 71	0.2839	.....	.....	2,487 58	0.1348	7,726 29	0.4188
Disposal station	.....	74,897 59	.....	1,902 08	.....	73,402 07	.....	150,201 74	.....
Totals	781,628	$610,379 16	$0.7809	$47,298 37	$0.0651	$277,019 68	$0.3544	$934,697 21	$1.1958

Force Employed on House Dirt and Ashes January 31, 1918.

CITY FORCE.	Number.	Hired Teams.	CONTRACTORS' TEAMS.					Total.
			East Boston.	Brighton.	West Roxbury.	Dorchester.	Hyde Park.	
Inspectors	25	.....	....	....	....	....	....	25
Teamsters	82	58	4	6	3	13	2	168
Helpers	86	118	9	8	4	39	3	267
Dumpers	1	.....	....	....	....	....	....	1
Totals	194	176	13	14	7	52	5	461

Force Employed on House Offal January 31, 1918.

CITY FORCE.	Number.	Hired Teams.	CONTRACTORS' TEAMS.					Total.
			East Boston.	Brighton.	West Roxbury.	Dorchester.	Hyde Park.	
Inspectors	11	.....	....	....	....	....	....	11
Teamsters	40	3	3	5	3	8	2	64
Helpers	46	7	6	10	6	18	2	95
Totals	97	10	9	15	9	26	4	170

Force Employed on Waste and Rubbish January 31, 1918.

CITY FORCE.	Number.
Inspectors	1
Teamsters	17
Helpers	27
Totals	45

Amount of House Dirt and Ashes Removed.

YEARS.	Loads.	Cubic Yards.	Tons.
1913	269,982	715,928	337,560
1914	273,405	760,848	358,740
1915	262,235	748,992	353,138
1916	238,261	795,862	324,313
1917	231,990	796,033	324,384

Amount of House Offal Removed.

YEARS.	Loads.	Cubic Yards.	Tons.
1913	54,873	* 124,302	† 83,903
1914	51,523	112,847	76,172
1915	50,482	113,348	76,511
1916	48,329	118,770	70,075
1917	40,729	102,449	60,744

* Less 19,232 cubic yards error in Dorchester district.
† Less 12,982 tons error in Dorchester district.

Amount of Waste and Rubbish Removed.

YEARS.	Loads.		Cubic Yards.	Tons.
	Paper Carts.	Market Wagons.		
1913	1,174	7,812	75,257	9,747
1914	1,691	8,722	82,978	10,778
1915	2,212	6,948	70,779	9,192
1916	4,302	7,031	79,909	10,744
1917	3,242	4,888	68,047	8,014

Number of Loads of Material Collected from February 1, 1913, to January 27, 1918.

YEARS.	Ashes.	Offal.	Rubbish.	Total Loads.	Tons.
1913	269,982	54,873	8,986	338,841	* 431,220
1914	273,405	51,523	10,413	335,341	445,690
1915	262,235	50,482	9,160	321,877	438,841
1916	238,261	48,329	11,333	297,923	405,132
1917	231,999	40,729	9,073	281,801	393,132

* Less 12,982 tons error in Dorchester district.

Capacity of Carts and Wagons in Use by the Sanitary Service, 1917.

	Pounds.	Cubic Feet.
Single ash carts	2,037	67.5
Double ash carts (city)	3,270	108
Double ash carts (contractors)	4,075	135
Paper carts	1,400	146
Paper wagons	2,200	219
Single offal wagons	2,360	54
Double offal wagons	4,130	94
Auto	8,150	270

Loads Collected by Contractors.

DISTRICTS.	ASH LOADS.				OFFAL LOADS.			
	Double.	Auto.	Cubic Yards.	Tons.	Auto.	Double.	Cubic Yards.	Tons.
East Boston	7,596	1,730	57,400	23,391	.....	1,118	3,913	2,309
Brighton	11,989	.....	59,945	24,428	.....	1,596	5,476	3,231
West Roxbury	6,916	.....	34,580	14,091	.....	1,105	3,867	2,282
Dorchester	25,243	151	127,725	52,048	604	4,360	21,300	12,567
Hyde Park	3,032	.....	15,160	6,178	.....	537	1,880	1,109
Totals	54,776	1,881	294,810	120,136	604	8,716	34,426	21,498

Summary.

MATERIAL.	Cubic Yards.	Tons.
Ashes	294,810	120,136
Offal	36,426	21,498
Totals	331,236	141,634

Loads and Tonnage of Material Collected by Districts.

CLASS OF REFUSE.	1. South Boston.	2. East Boston.	3. Charlestown.	4. Brighton.	5. West Roxbury.	6. Dorchester.	7. Roxbury.	8–9. South End and Back Bay.	10. North and West Ends.	11. Hyde Park.	Total Tons. (2,000 Pounds.)	Total Loads.	Cubic Yards.
House dirt and ashes:													
Loads	15,974	10,174	8,967	11,989	16,546	25,394	37,792	56,149	45,982	3,032	.....	231,999	796,033
Tons	19,252	23,391	10,400	24,428	28,897	52,048	40,525	69,219	50,046	6,178	324,384		
Offal:													
Loads	3,628	1,118	1,740	1,596	2,963	4,964	7,117	10,913	6,153	537	.....	40,729	102,449
Tons	4,660	2,309	2,353	3,231	5,489	12,567	8,889	12,877	7,260	1,109	60,744		
Waste and rubbish:													
Loads	224	.....	.....	.....	308	.....	1,017	5,414	2,110	.....	.....	9,073	68,047
Tons	183	.....	.....	.....	339	.....	751	4,601	2,140	.....	8,014	.....	.....
Totals Loads	19,826	11,292	10,707	13,585	19,817	30,358	45,926	72,476	54,245	3,569	.....	281,801	966,629
Totals Tons	24,095	25,700	12,753	27,659	34,725	64,615	50,165	86,697	59,446	7,287	393,142		

Final Disposition of all Material, in Loads and Tons (2,000 Pounds), Collected by the Sanitary Service from February 4, 1917, to January 27, 1918.

Class of Refuse.	Boston Development and Sanitary Company.	Collected and Disposed of by Contractors.	Total Number of Loads Disposed of.	Total Tons.
House dirt and ashes	172,224	59,775	231,999	324,384
	256,296	68,088	.....	
Offal	40,729	.....	40,729	60,744
	60,744	.....	.....	
Waste and rubbish	9,073	.....	9,073	8,130
	8,130	.....	.....	
Totals—Loads	222,026	59,775	281,801	
Totals—Tons	325,170	68,088	.....	393,258

Note.— First item, loads. Second item, tons.

Cost of Collection and Disposal of Refuse by Contract in the City of Boston for the Year 1917-18.

Contract Districts and Population.	Character of Refuse.	Tons. (2,000 lbs.)	Total Tons.	Cost per Ton by Districts; Collection and Disposal.	Cost by Districts. Cost.	Total Cost.	Total Cost per Capita.	Where Disposed of.
2..(68,869)....	Mixed refuse, principally ashes (no kitchen wastes)	23,391	.....	$0 6532	$15,280 10	.....	.....	Inland dumps.
	Garbage, principally kitchen wastes	2,309	.....	2 9152	6,741 35	.....	.....	*
			25,700	Av. $0 8568		$22,021 45	$0 3197	
4..(36,470)....	Mixed refuse, principally ashes (no kitchen wastes)	24,428	.....	$0 8793	$21,680 54	.....	.....	Inland dumps.
	Garbage, principally kitchen wastes	3,231	.....	2 4989	8,074 02	.....	.....	*
			27,659	Av. $1 0757		29,754 56	0 8155	
5..(30,345)....	Mixed refuse, principally ashes (no kitchen wastes)	14,091	.....	$0 7363	$10,375 65	.....	.....	Inland dumps.
	Garbage, principally kitchen wastes	2,282	.....	1 3896	3,171 29	.....	.....	*
			16,373	Av. $0 8088		13,546 94	0 4464	
6..(144,534)...	Mixed refuse, principally ashes (no kitchen wastes)	52,048	.....	$1 5200	$79,114 20			
	Garbage, principally kitchen wastes	12,567	.....	4 7719	59,969 50			
	Store refuse and paper	.....	.....	.....	.....	.....	.....	Boston Development and Sanitary Company.†
			64,615	Av. $2 1525		139,083 70	0 9692	
Hyde Park..... (18,448)	Mixed refuse, principally ashes (no kitchen wastes)	6,178	.....	$0 8482	$5,238 71	.....	0 4188	Inland dumps.
	Garbage, principally kitchen wastes	1,109	.....	2 2430	2,487 58	.....	.....	*
			7,287	Av. $1 4977		7,726 29		
298,666	Totals	.....	141,634	.....	.....	$212,132 94	$0 7103	

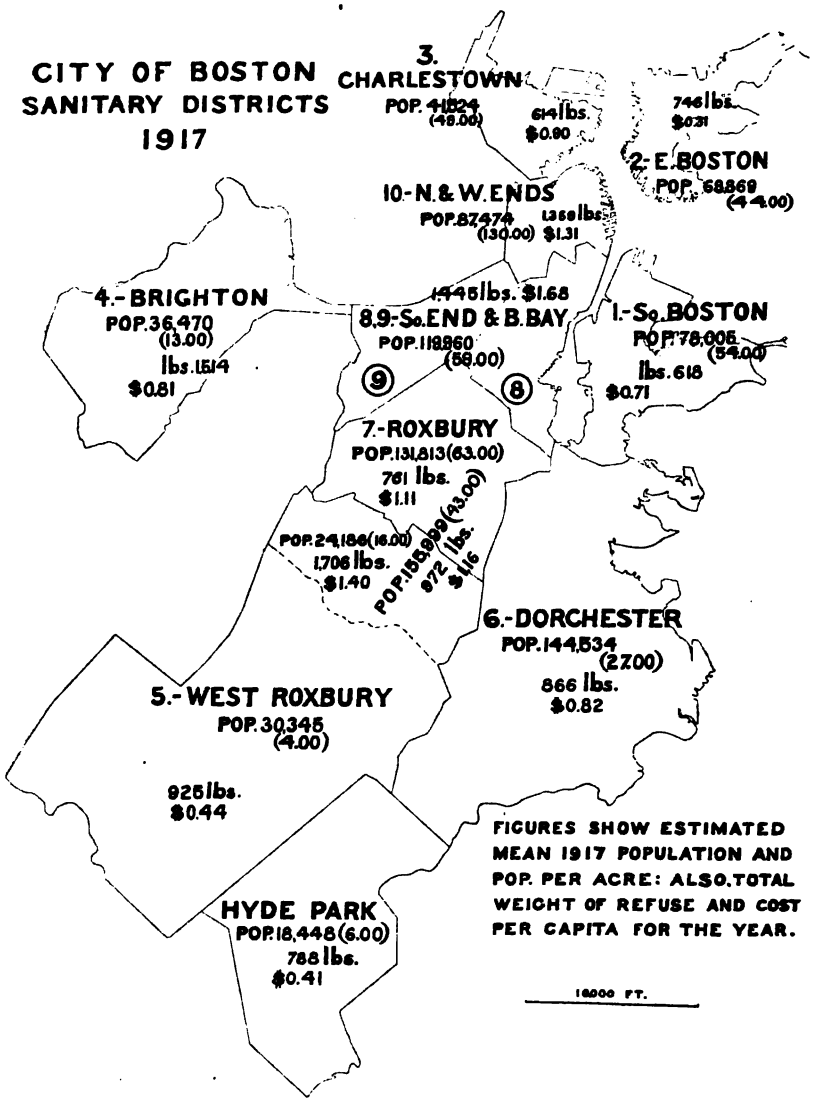
* Removed beyond city limits and presumably fed to swine.
† Contract for disposal.

Total as above	$212,132 94
Add total of day labor table (between pages 480 and 481)	819,024 05
Net amount of appropriation	$1,031,156 99

UNIV. OF MICH.

Number of Carts, Wagons and Sleds Used by the Sanitary Service for the Collection of House Dirt and Ashes, Waste and Rubbish and Garbage During the Year Ending January 31, 1918.

Districts.	Ash Carts.			Offal Wagons.				Paper.				Contractors.
	Wood.			Iron.		Wood.						
	Auto.	Single.	Double.	Single.	Double.	Single.	Double.	Carts.	Wagons.	Sleds.	Pungs.	
1. South Boston	1	16	.....	4	.....	3	.....	1	1	16	.....	
3. Charlestown	.....	14	.....	5	.....	.....	.....	.....	1	9	.....	
7. Roxbury	1	42	7	15	2	5	5	2	2	35	14	
8. South End Shop	.....	24	1	12	1	.....	1	1	.....	.....	.....	
10. North and West Ends	.....	29	.....	7	4	.....	.....	6	4	5	.....	
8 and 9. South End	.....	40	.....	19	1	.....	.....	5	10	24	2	
Total number used by Sanitary Service	2	165	8	62	8	8	6	15	18	99	16	
In Use by Contractors.												
2. East Boston	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	A. E. Silano.
2. East Boston	.....	.....	.....	.....	3	.....	1	.....	.....	.....	.....	D. P. Sullivan.
4. Brighton	.....	4	10	.....	.....	.....	.....	.....	1	.....	.....	McMurtry Brothers.
4. Brighton	.....	.....	.....	.....	1	.....	10	.....	.....	.....	.....	D. P. Sullivan.
5. West Roxbury	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	J. J. Moore.
5. West Roxbury	.....	.....	.....	.....	.....	.....	6	.....	.....	.....	.....	D. P. Sullivan.
6. Dorchester	.....	.....	22	.....	.....	.....	.....	.....	.....	.....	.....	J. J. Loonie.
6. Dorchester	1	.....	.....	1	10	.....	.....	.....	.....	.....	.....	J. J. Bradley.
11. Hyde Park	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. F. Sexton.
11. Hyde Park	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	D. P. Sullivan.
Totals	3	171	48	63	22	8	25	15	19	99	16	


CITY OF BOSTON
SANITARY DISTRICTS
1917
3.
CHARLESTOWN
POP. 41824
(48.00)
614 lbs.
$0.90
746 lbs.
$0.31
2.-E. BOSTON
POP. 68869
(44.00)
10-N. & W. ENDS
POP. 87474
(130.00)
1366 lbs.
$1.31
4.-BRIGHTON
POP. 36,470
(13.00)
lbs. 1514
$0.81
1445 lbs. $1.68
8,9.-So. END & B. BAY
POP. 119860
(58.00)
1.-So. BOSTON
POP. 78,005
(54.00)
lbs. 618
$0.71
9
8
7.-ROXBURY
POP. 131,813 (63.00)
761 lbs.
$1.11
POP. 24,186 (16.00)
1,706 lbs.
$1.40
POP. 155,999 (63.00)
872 lbs.
$1.16
6.-DORCHESTER
POP. 144,534
(27.00)
866 lbs.
$0.82
5.-WEST ROXBURY
POP. 30,345
(4.00)
926 lbs.
$0.44
HYDE PARK
POP. 18,448 (6.00)
788 lbs.
$0.41
FIGURES SHOW ESTIMATED MEAN 1917 POPULATION AND POP. PER ACRE: ALSO, TOTAL WEIGHT OF REFUSE AND COST PER CAPITA FOR THE YEAR.
16000 FT.

HIGHWAY DIVISION — STREET CLEANING AND OILING SERVICE.

Items of Expenditure for Year 1917.

Street Cleaning Service.

General administration		$27,437 82
Salary of division engineer (in part),	$698 88	
Salary of supervisor (in part)	1,465 90	
Salary of medical inspector (in part),	419 98	
Salary of chief veterinarian (in part),	840 00	
Printing	569 14	
Stationery	151 65	
Postage	167 20	
Telephone	617 28	
Advertising	10 10	
Execution of court	2,500 00	
Office items and incidentals	207 94	
* Automobile repairs and maintenance	1,673 68	
Annuity, chapter 569, Act of 1898	300 00	
Pensions, retired veterans	5,663 71	
Pensions, retired laborers	10,697 12	
Uniforms	1,455 24	
	$27,437 82	
General expenses other than general administration		116,175 02
Wages of stablemen	$33,374 90	
Wages of yardmen	4,962 52	
Wages of watchmen	7,929 02	
Wages of foreman's driver	536 37	
Wages of yard clerks and messengers,	2,166 64	
Hay and straw	19,550 59	
Grain	26,811 83	
Wagon and carriage repairs	945 77	
Harnesses, new and repairs	3,133 82	
Horseshoeing	5,348 67	
Stables and yards, rent of	3,028 28	
Stables and yards, taxes on	840 16	
Carried forward	$136,066 39	$143,612 84

* See pages 494 and 495 for details of automobile costs.

Brought forward	$136,066 39	$143,612 84
Stables and yards, blankets, coverings, brushes, oils, greases, polishes, furnishings	2,020 21	
Stables and yards, building repairs,	2,031 33	
Electric light	438 14	
Gas	19 04	
Fuel	587 49	
Veterinarian services and medicines,	381 92	
* Automobile repairs and maintenance	2,068 32	
Operating expenses	. . .	454,356 33
District foremen, salaries of . .	$17,906 02	
Inspectors, wages of, on paved streets, crossings, snow work, patrolling, gutters, etc. . .	29,957 35	
Laborers, wages of, on paved streets, gutters, crossings, snow work, patrolling, etc. . . .	266,460 53	
Hired teams on paved streets, gutters, crossings, snow work, patrolling, etc.	48,622 72	
Holiday pay allowed . . .	34,196 46	
Vacations	13,662 54	
Pay allowed injured employees .	3,394 01	
Military roll	298 23	
Dumps, labor on	2,897 28	
Dumps, rent of	1,141 75	
Snow license (part cost) . . .	500 00	
Flushing machines, repairs . .	3,095 73	
Sweeping machines	1,724 50	
Water carts.	1,161 31	
Cart repairs	6,041 80	
Snow ploughs, road machines . .	2,552 70	
Push brooms, team brooms, handles, etc.	2,411 48	
Hoes, shovels, picks, etc. . . .	1,382 90	
Machine brooms	6,004 00	
Push carts and barrels . . .	1,838 66	
Refuse boxes	365 19	
Tool repairs	581 68	
Patching streets	2,885 57	
Flushing hose	274 90	
Water cart hose	167 05	
Snow dump.	756 00	
Carried forward	$593,893 20	$597,969 17

* See pages 494 and 495 for details of automobile costs.

Brought forward	$593,893 20	$597,969 17
Sand barrels	115 20	
Sand	507 78	
Calcide	90 00	
Sanitary service (auto repairs) .	278 39	
* Automobile repairs and maintenance	3,084 60	
		$597,969 17

Street Watering and Oiling Branch.

General administration		$4,022 15
Salary of division engineer (in part),	$133 12	
Salary of supervisor (in part) . .	279 22	
Salary of general foreman . .	1,795 04	
Salary of medical inspector (in part),	80 00	
Salary of chief veterinarian . . .	160 00	
Stationery	78 39	
Printing	130 25	
Telephone	50 68	
Traveling expenses	55	
Advertising	20 00	
Uniforms	18 66	
Incidentals	133 27	
Proportionate share of supervisor's automobile	298 81	
* Automobile repairs and maintenance	844 16	
	$4,022 15	
General expenses other than general administration		2,308 54
Wages of stablemen, watchmen and yardmen	$506 37	
Veterinary service and medicine .	7 16	
Hay, straw and grain . . .	717 30	
Wagon and carriage repairs . .	3 32	
Harness repairs	6 32	
Horseshoeing	138 75	
Yard and stable, building repairs .	99 63	
Yard and stable, rent and taxes .	116 72	
Yard and stable, furnishings . .	142 93	
Yard and stable, light and fuel .	31 15	
* Automobile repairs and maintenance	538 89	
Carried forward	$6,330 69	$6,330 69

* See pages 494 and 495 for details of automobile cost.

Brought forward	$6,330 69	$6,330 69
Operating expenses		104,157 45
Chief inspector	1,160 34	
Inspectors, water distribution	5,964 89	
Inspectors, oil distribution	599 72	
Labor, water distribution	1,093 35	
Labor, oil distribution	777 19	
Labor, calcium chloride distribution,	22 51	
Holiday	69 22	
Vacation	521 60	
Military roll	77 88	
Sanitary service	804 11	
Tools	69 50	
Sand	90 00	
Rent, car sidings	175 00	
Road oil	54,888 94	
Calcium chloride	322 10	
Freight and demurrage	167 86	
Oil carts	114 69	
Water cart	60 40	
Gas pump, repairs	6 78	
Standpipe, repair and maintenance,	3,206 92	
Hired teams, water distribution	29,051 57	
Hired teams, oil distribution	229 00	
Hired teams, calcium chloride distribution	50 10	
* Automobile repairs and maintenance	4,633 78	
	$110,488 14	$110,488 14

Total Street Cleaning Branch	$597,969 17
Total Street Watering and Oiling Branch	110,488 14
Grand total	$708,457 31

* See pages 494 and 495 for details of automobile cost.

DISTRIBUTION OF EXPENDITURES.

Removing snow	$69,291 35	
Snow work on crossings and gutters,	12,202 15	
		$81,493 50
Flushing streets		32,037 05
Street patrolling by teams	$28,596 19	
Cleaning of subway passage	1,248 36	
Street patrolling by push carts	109,248 11	
Collection of refuse boxes	5,460 62	
		144,553 28
Cleaning of paved streets	$228,023 85	
Cleaning of macadam gutters	56,265 37	
Cleaning of public alleys	865 22	
		285,154 44
Sanding of slippery streets		2,374 86
Work performed for Sanitary Service		47,604 55
Work performed for Paving Service		4,751 49
Total expenditures, Street Cleaning Branch,		$597,969 17
Oiling of public streets and ways	$65,062 24	
Watering of public streets and ways,	44,621 79	
Sanitary Service	804 11	
Total expenditures, Street Watering and Oiling Branch		110,488 14
Total expenditures, Street Cleaning and Oiling Service		$708,457 31

Summary.

Items.	Street Cleaning Branch.			Street Oiling and Watering Branch.		
	1915–1916.	1916–1917.	1917–1918.	1915–1916.	1916–1917.	1917–1918.
Labor	$410,799 55	$403,167 02	$421,612 67	$28,311 16	$12,742 01	$14,274 09
Teaming	18,047 77	49,274 19	48,622 72	52,406 23	39,126 21	29,330 67
Supplies and repairs	122,041 27	98,268 95	127,733 78	59,027 58	69,582 46	66,883 38
Totals	$550,888 59	$550,710 16	$597,969 17	$139,744 97	$121,450 68	$110,488 14

Cost of Snow Work and Volume Removed.

DISTRICTS.	Snow Work on Crossings and Gutters. Total Cost.	Snow Removal. Total Cost.	Total Cost. *	Single Loads Snow Removed. †	Cubic Yards Removed. †	Cost per Cubic Yard Removed. *
South Boston	$2,610 05	$6,409 91	$9,019 96	4,382	11,393.2	$0 562
East Boston	45 75	613 00	658 75	364	943.8	0 649
Charlestown	1,605 19	1,778 12	3,383 31	1,307	3,398.2	0 52
Dorchester	629 20	811 97	1,441 17	363	1,043.8	0 777
Roxbury	2,205 31	620 05	2,825 36	245	637.0	0 973
Uptown	644 53	670 69	1,315 22	330	858.0	0 781
Downtown	1,034 47	16,340 16	17,374 63	14,838	38,478.8	0 424
Back Bay	552 34	1,759 96	2,312 30	790	2,054.0	0 856
North and West Ends	1,160 59	23,263 37	24,423 96	21,038	54,701.4	0 425
Patrol System	1,714 72	17,024 12	18,738 84	9,023	23,459.8	0 725
Totals	$12,202 15	$69,291 35	$81,493 50	52,680	136,968.0	.....
Average	.....	.....	.....	.....	.....	$0 505

* Includes Sundays, paid time and one half; holidays, double time.
† Street Cleaning loads, 2.6 cubic yards each.

Summary.

ITEMS.	Cost of Inspection, Labor and Teaming.	Cost of all Other Charges.	Total Cost.	AMOUNT OF SNOW REMOVED.		Cost per Load Removed.	Cost per Cubic Yard Removed.
				Loads.	Cubic Yards.		
Snow removal	$54,262 08	$15,029 27	$69,291 35	52,680	136,968	$1.315	$0.505
Snow crossings and gutters	9,861 32	2,340 83	12,202 15	.....	.....	.....	.....
Totals	$64,123 40	$17,370 10	$81,493 50				

Miles and Areas of Streets Cared for, 1917–18.

District.	Location.	Miles of Streets Cared for.		Square Yards Cared for.		Total Square Yards.
		Paved.	Macadam.	Roadway Paved.	Macadam, 9-foot Gutters.	
No. 1.....	South Boston.....	23.74	30.08	489,974	158,856	648,830
No. 2.....	East Boston.....	6.34	23.28	142,984	122,969	265,953
No. 3.....	Charlestown.....	13.06	10.88	302,056	57,486	359,542
No. 6.....	Dorchester.....	9.46	84.50	197,172	446,172	643,884
No. 7.....	Roxbury.....	20.09	19.67	465,278	103,905	569,183
No. 8.....	South End (uptown).....	15.79	11.96	343,899	63,171	407,070
No. 8.....	South End (downtown)....	25.40	.92	502,601	4,903	507,504
No. 9.....	Back Bay.....	15.74	20.37	285,067	107,575	392,642
No. 10.....	North and West Ends.....	19.79	.86	362,362	4,562	366,924
Totals.....	.....	149.41	202.52	3,091,933	1,069,599	4,161,532

Flushing.

Supervision.	Cost of Labor and Teams.	Cost of Repairs and Tools.	Cost of All Charges.	Total Cost.	Square Yards Flushed Once.	Cost per Thousand Square Yards Flushed Once.
$1,501 74	$20,501 60	$4,034 54	$5,999 17	$32,037 05	63,450,762	$0.5049

Cost of Maintaining Horses on a Basis of 365 Days per Year.

Districts.	South Boston.		East Boston.		Charlestown.		Dorchester.		Roxbury.		South Stable.		West Stable.		Total.	
Average Number of Horses Kept.	20.26		15.6		12.06		14.4		19.4		64		32.1		177.95	
Items.	Total per Year.	Cost per Horse per Day.	Total per Year.	Cost per Horse per Day.	Total per Year.	Cost per Horse per Day.	Total per Year.	Cost per Horse per Day.	Total per Year.	Cost per Horse per Day.	Total per Year.	Cost per Horse per Day.	Total per Year.	Cost per Horse per Day.	Total per Year.	Cost per Horse per Day.
Labor	$4,645 51	$0 6282	$3,113 01	$0 5479	$2,909 52	$0 6609	$3,920 50	$0 746	$3,208 50	$0 4534	$12,316 82	$0 5699	$5,529 39	$0 4708	$35,639 25	$0 5521
Hay and grain	4,775 40	0 6053	4,003 24	0 7033	3,216 00	0 7307	2,874 12	0 547	5,079 62	0 7179	17,134 91	0 7322	8,730 45	0 744	45,813 74	7052
Fuel	132 84	0 0179	40 50	0 0071	69 00	0 0156	190 75	0 0363	40 50	0 0057	19 00	0 0005	.....	.....	492 59	0 0076
Light	58 96	0 0079	60 61	0 0106	55 08	0 0125	50 80	0 0096	214 00	0 0302	.....	.....	.....	.....	439 45	0 0067
Rent and taxes	900 00	0 1217	2,340 16	0 4111	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,240 16	0 0498
Yard and stable repairs	204 92	0 0277	.....	.....	244 65	0 0556	232 97	0 0443	331 06	0 0468	659 12	0 0282	262 82	0 0224	2,935 84	0 0282
Yard and stable furnishing	204 51	0 0276	85 14	0 0159	86 75	0 0197	159 95	0 0304	178 47	0 0252	1,061 32	0 0453	230 44	0 0196	2,006 58	0 0309
Veterinary service and medicine	141 30	0 0191	101 15	0 0179	72 00	0 0163	40	0 0007	3 78	0 0005	6 75	0 0003	63 70	0 0154	389 08	0 0058
Horseshoeing and clipping	1,035 07	0 14	907 39	0 1594	745 00	0 1692	496 80	0 0845	* 423 03 211 82	0 0897	2,768 64	0 1183	* 1,319 10	0 1124	7,906 83	0 1217
Totals	$12,098 51	$1 6362	$10,651 20	$1 8712	$7,398 30	$1 6802	$7,926 29	$1 5081	$9,690 78	$1 3695	$33,966 56	$1 9515	$16,131 90	$1 3747	$97,863 54	$1 5067

* Work done by Sanitary Service not paid for.

OILING OF MACADAM STREETS.

Showing Cost of Labor, Teaming, Oil, etc., Including Supervision.

DISTRICTS.	Total Area Oiled (Square Yards).	Equivalent Mileage, 30-foot Roadway.	Area Covered Once (Square Yards).	DATES OF OILING.		Average Number of Times District Treated.	Total Cost.	COST PER SQUARE YARD.		Gallons Used.	Gallons per Square Yard of Oiled Area.
				First.	Last.			Covered Once.	Entire Season.		
South Boston	438,918	24.939	540,019	1917. May 1	1917. Aug. 28	1.23	$4,130 13	$0 0076	$0 0091	39,259	.0894
East Boston	414,384	23.544	857,741	May 28	Oct. 19	2.069	5,804 27	0067	014	57,724	.1393
Charlestown	124,266	7.06	217,404	May 17	Sept. 20	1.749	2,823 69	0129	0227	24,527	.1973
Brighton	591,317	33.6	760,563	May 16	Oct. 26	1.286	7,468 05	0098	0126	83,438	.1411
West Roxbury	877,186	49.84	1,069,134	May 16	Oct. 27	1.218	10,330 92	0096	0117	117,435	.1338
Dorchester	1,192,446	67.752	1,505,664	May 11	Oct. 22	1.262	11,472 78	0096	0096	135,196	.1133
Roxbury	907,637	51.57	1,233,816	Apr. 17	Oct. 26	1.359	10,754 49	0087	0118	123,978	.1365
South End, Back Bay and part of Roxbury	574,465	32.64	952,452	Apr. 5	Nov. 13	1.658	7,878 96	0082	0137	84,024	.1462
Hyde Park	476,484	27.07	625,351	May 20	Oct. 17	1.312	4,398 95	007	0092	44,993	.0944
Totals	5,597,103	318.015	7,762,144	.....	.....	.....	$65,062 24	.....	.....	710,574	.....
Average	.....	.....	.....	.....	.....	1.306	.....	$0 0083	$0 0116	.....	.1269

NOTE.— Average cost per gallon, 1917, $0.0772
NOTE.— Average cost per gallon, 1916, $0.0672.
NOTE.— Average cost per gallon, 1915, $0.041.
NOTE.— Cost of 1 square yard for season, $0.0116.

Area Watered, 1917.

Total Cost per Square Yard and Amount of Water Used.

Districts.	Total Square Yards Watered.	Equivalent Mileage, 30-foot Roadway.	Dates of Watering.		Auto-days Worked.	Total Cost.	Cost per Square Yard.	Cart-days Worked.
			First.	Last.				
South Boston	488,643	27.7632	April 4	Sept. 11	.....	$4,433 88	$0 00907	583½
East Boston	135,836	7.7178	Mar. 17	Nov. 19	.....	1,809 08	01331	202½
Charlestown	240,732	13.6779	April 5	Sept. 13	.....	2,628 20	01091	284
Brighton	84,217	4.7850	April 4	Sept. 11	.....	2,588 89	03074	210
West Roxbury	159,571	9.0665	April 4	Sept. 11	.....	3,189 89	01999	271½
Dorchester	234,310	13.3130	April 4	Sept. 11	.....	4,292 69	01405	488½
Roxbury	164,433	9.3996	April 4	Oct. 9	28.75	4,982 13	03029	392½
South End and part of Roxbury	626,920	35.6204	Mar. 17	Nov. 25	200.1875	8,489 02	01354	373½
City Proper	509,882	28.8569	Mar. 19	Nov. 25	216.5	10,753 82	02111	696
Hyde Park	54,900	3.1193	April 24	Sept. 11	.....	1,454 19	02648	95½
Totals	2,699,444	153.32	.....	.....	* 445.4375	$44,621 79	.....	† 3,597½
Average	.....	.....	.....	.....	.....	.....	$0 0165	

* Includes 31 auto-days' work done by city autos.

† Includes 118½ cart-days' work done by city teams.

Summary of Oil Bought, 1917.

DISTRICT.	Bought from	Gallons.	Cost.
1	Standard	31,045	$2,402 99
1	Alden, Spears Company	8,214	653 01
2	Standard	57,724	4,675 59
3	Standard	24,527	1,930 32
4	Standard	47,668	3,762 50
4	Alden, Spears Company	35,770	2,754 15
5	Standard	78,451	6,173 97
5	Alden, Spears Company	38,984	2,975 82
6–9	Standard	61,994	4,788 83
6–9	Alden, Spears Company	73,202	5,581 53
7	Standard	70,493	5,221 87
7	Alden, Spears Company	53,485	4,040 10
8–10	Standard	53,211	4,044 28
8–10	Alden, Spears Company	30,813	2,386 94
11	Standard	21,437	1,736 27
11	Alden, Spears Company	23,556	1,760 77
	Total Standard	446,550	$34,736 62
	Total Alden, Spears Co.	264,024	20,152 32
	Grand totals	710,574	$54,888 94

ASPHALTIC ROAD OIL.

1 Contract Standard	$0 0765 per gallon.
2 Contract Standard	0815 per gallon.
Alden, Spears Company	0795 per gallon.

Details of Automobile Costs.

Supervisor.

Supplies	$17 65
Garage rent	180 00
Gasolene, oils, etc	409 58
Tubes, tires, cases (new)	331 61
Tubes, tires, cases (repair)	9 80
Engine and body repairs	482 85
Registration	10 00
Wages of chauffeur	531 00
Total	$1,972 49

Foremen.

	East Boston District.	Dorchester District.	Roxbury District.	Patrol System.
Purchase, cost of	$379 07	.....	.....	$328 70
Registration	.....	$10 00	$10 00	10 00
Supplies	.....	2 30	9 71	34 60
Engine and body repairs	.....	118 00	137 79	68 57
Gasolene, greases, etc	.....	124 18	213 34	256 28
Tubes, tires, cases (new)	.....	76 39	158 25	84 99
Tubes, tires, cases (repairs)	.....	2 50	18 15	25 50
Totals	$379 07	$333 37	$547 24	$808 64

Auto Trucks.— Street Cleaning.

	Peerless.	Garford.
Garage rent	$360 00	.....
Gasolene, oils, etc	942 11	$58 11
Engine and body repairs	825 41	467 59
Tubes, tires, cases (new)	397 74	.....
Tubes, tires, cases (repairs)	.....	.....
Supplies	28 54	3 10
Registration	2 00	.....
Totals	$2,555 80	$528 80

UNIV. OF MICH.

Details of Automobile Costs.— *Concluded.*

General Foreman.

Garage rent	$120 00
Oils, greases, etc.	319 90
Engine and body repairs	197 73
Tubes, tires, cases (new)	173 38
Tubes, tires, cases (repairs)	10 60
Supplies	22 55
Total	$844 16

Chief Inspector.

Oils, gasolene, etc.	$245 41
Engine and body repairs	143 78
Tubes, tires, cases (new)	94 32
Tubes, tires, cases (repairs)	18 85
Supplies	26 53
Registration	10 00
Total	$538 89

Auto Truck.—Oiling.

	Peerless.
Garage rent	$330 00
Oils, gasolene, etc.	787 04
Engine and body repairs	2,094 36
Tubes, tires, cases (new)	250 67
Supplies	136 07
Registration	2 00
Chauffeur and operator	1,033 64
Total	$4,633 78

APPENDIX D.

SEWER AND WATER DIVISION.

February 1, 1918.

MR. E. F. MURPHY,
Commissioner of Public Works:

DEAR SIR,— I respectfully submit the following report of the income, expenditures and operation of the Sewer and Water Division for the year ending January 31, 1918.

The writer resumed his duties as division engineer of the Sewer and Water Division on December 1, 1917. Prior to this date the Sewer and Water Services were administered as part of the Highway Division, their operation being directed by the division engineer of that division.

SEWER SERVICE.

The following is a statement of the important items of work completed during the year 1917, or in progress at the present time:

BRIGHTON.

Pipe sewers have been built in Turner street, Breck avenue, Langley road, William Jackson avenue, Matchett street and Justin road.

Sewers and surface drains have been built in North Beacon street, Academy Hill road, Parkman street, Chestnut Hill avenue, Griggs street, Parkvale avenue and Holden street.

Work has been started on the reconstruction of Shepard brook to relieve a long-standing nuisance in Arden, Haskell, Franklin and other streets in this vicinity.

EAST BOSTON.

Sanitary sewers of pipe have been built in London, Saratoga and Shelby streets and Faywood avenue, and 3-foot sewer (concrete) in Webster street.

CHARLESTOWN.

Construction started on the rebuilding of the sewer in Rutherford avenue, between Baldwin and Allen streets; 15-inch pipe sewer in Cambridge street, between existing sewer and Crescent street.

WEST ROXBURY.

The principal item of construction in West Roxbury has been the rebuilding of the Roslindale brook, from Bellevue Station to Corey street. This is intended to take all the storm water from Centre street, between Beech and Corey streets, and all abutting streets.

Elmwood Street brook at North avenue is intended to relieve the flooding of lowland between North avenue and Glendale road.

Pipe sewers have also been built in Hodgdon terrace, Florence and Wyvern streets, Alden road and other streets.

Spring Street brook has been extended easterly and northerly to La Grange street to take the drainage from the La Grange Street Playground.

DORCHESTER.

Dorchester brook sewer in Dacia street, between Brookford and Quincy streets. This conduit is 6 feet 9 inches by 6 feet 2 inches and is intended to relieve the flooded streets in the low lying valley of Dorchester brook within the above limits.

Almont street outlet in private land, between Almont and Oakland streets, giving drainage to territory south of Walk Hill street, between Walk Hill street, Blue Hill avenue and Oakland street.

Pipe sewers have also been built in Balsam street, Dunbar avenue, Annapolis and East Cottage streets, Foss road and other streets.

An entirely new system of sewer has been started in Norfolk street, between Dorr's Bridge and Walk Hill street.

Davenport brook has been completed from Codman street to Washington street and has entirely abated the floodings of long standing between Dorchester avenue and Morton street.

HYDE PARK.

Pipe sewers have been built in Child street, Gordon avenue, Hillside street and Church street.

Hyde Park avenue, from Clarendon Hills to Hyde Park square, has been laid out under the act, and new systems of surface drains and new sewers completed. The street floodings were frequent in time of storm at the three railroad stations in Hyde Park, namely, Fairmount Station, Hyde Park Station and Readville Station, and have been entirely abated by the installation of new surface drainage systems.

Surface drains have been built to relieve floodings in Water street at Williams avenue, Warren avenue at Neponset river and in Wolcott square and vicinity.

ROXBURY.

Tide-gate chamber built on Muddy river conduit in Deerfield street at Back street.

New sanitary sewer in Brookline avenue, from Jersey street to Audubon road. Separate system of sewers in Overland street, Museum road and Moreland street.

Pipe sewers have been built in Alleys 818 and 819, between Batavia street and Westland avenue; Alleys 820 and 821, between Huntington avenue and St. Botolph street.

CITY PROPER.

Nashua street, at Minot street, tide-gate chamber built to relieve overcharged sewers in this vicinity.

Most of the work in the city proper this year has been locating and rebuilding outlets for existing basins, very many of these outlets having been found broken by excavations in the streets, thereby causing catch-basins to overflow in time of storm through the lack of sufficient outlets.

SOUTH BOSTON.

Most of the sewer work in South Boston has been in connection with the new South Boston Tunnel, between Broadway and Andrew square.

The three detached pumping stations located at Summer Street extension, Union Park street at Albany street, and Readville street, Hyde Park, have been operated continuously throughout the year and the station in Union Park street in particular has been the means of reducing the number of complaints from flooded cellars in the South End district so that at the present time, during heavy rainstorms, there is practically no cause for complaint.

WATER SERVICE.

During the year 6.7 miles of pipe, varying in size from 4-inch to 30-inch, were laid. Owing to conditions resulting from the war, only 28,154 linear feet of 4-inch to 16-inch pipe were laid to meet petitions, etc., against 54,814 linear feet of 4-inch to 12-inch pipe laid in 1916; 6,056 linear feet pipe extension was made in the business section of the city for fire pipes and sprinkler connections from the high service. In continuation of the policy of relaying old and small mains, 3.3 miles of pipe from 4 inches to 12 inches in diameter were replaced with larger sizes.

There are now 870.62 miles of mains from 4 inches to 48 inches in service.

The 30-inch high service main begun in 1914 and continued in 1915, 1916 and 1917, starting from the 36-inch high service main in Heath street, Roxbury, thence through Columbus avenue, Worcester street, Washington street, Perry street, Harrison avenue, Broadway, Curve street, Hudson street and Kneeland street, to Atlantic avenue, was completed by laying 900 linear feet 30-inch pipe in Harrison avenue, between Dover street and Broadway, with the exception of a connection on Harrison avenue, under the tracks of the New York, New Haven & Hartford Railroad. The completion of this main will provide a much needed additional supply to the high service district of the city proper which, at the present time, is largely dependent on the 42-inch main in Huntington avenue, Clarendon street, Newbury street and Boston Common. A serious break in the 42-inch main would expose the business district to danger from lack of adequate supply for the sprinkler and fire pipe systems on this service. While there is a 20-inch high service main in Huntington avenue, and a 16-inch high service main in Columbus avenue, both interconnected on the Common, they alone are unable to maintain an effective pressure as the consumption has increased far beyond their carrying capacity. Our dependence for several years past has been on the 42-inch high service line.

The more important relaying work was the replacement of 2,700 linear feet 8-inch pipe with 16-inch pipe in River street, Hyde Park, between Huntington avenue and Fairmount avenue. This work completes the enlarging of the small pipe in River street between the

former Dorchester line and the center of Hyde Park, and furnishes to that district a second adequate supply in case the metropolitan 20-inch main is out of commission.

Ninety-one hydrants have been established, making a total of 9,619 available for use.

The law relative to metering annually all new services installed after December 31, 1907, and 5 per cent of the services then unmetered, was changed on April 10 by a special act of the Legislature, waiving for one year the clause in the act providing for the metering of 5 per cent of existing services. Up to February 1, 1917, due to the operation of the act, 61,154 meters had been set on new and existing services or about 66 per cent of the total services were metered. Between February 1 and April 7, 838 meters were set on old services, and since that date, in compliance with the change in the law, only new service pipes to the number of 833 have been metered. Total number of meters in service on January, 31 was 62,522.

Service pipes, including new and enlarged sizes, to the number of 1,045 were installed during the year.

Continued cold weather during the month of January, with the absence of snow, drove the frost to a dangerous depth that endangered service pipes. These conditions, aggravated by a lack of coal for heating, etc., resulted in an epidemic of frozen service pipes, and to date the Water Service has thawed by means of hot water, steam and electricity 327 pipes.

The rebuilding of the Brookline Avenue Bridge over the Boston & Albany Railroad necessitated the relocation of two 28-inch steel water pipes located on the bridge. The policy adopted in the past of carrying water pipes over bridges was successful previous to the advent of motor vehicles, but for the past few years pipes so located on the roadway floor and uncovered have been exposed to danger of damage from automobiles beyond control, etc. The war has also caused a realization of the damage that could be done by an enemy to pipes so located. Under these conditions it was decided to carry a 42-inch steel pipe, embedded in concrete, under the railroad tracks. A contract was awarded for furnishing and laying 42-inch steel pipe with wrought steel flanges, $\frac{1}{2}$ inch thick, with longitudinal joint of double-riveted lap type seam calked. A lead gasket $\frac{1}{4}$ inch thick, cut to project $\frac{1}{4}$ inch, was

used between the flanges. The length between the center of the vertical legs on the base was 136.7 feet; the height of each leg behind the abutment was 24 feet. At the upper 90-degree bends a steel manhole pipe 24 inches in diameter was attached to afford means of entrance. The pipe was protected after completion at the shop by thoroughly cleaning the inner and outer surfaces and applying one coat of paint to the outside and two coats of paint to the inside of the pipe. After placing in position the entire inner surface was given a third coat of paint. The pipes under the rails were laid to have a 6-foot cover. The pipe on the base was surrounded by reinforced concrete mixed 1–2–4 for a thickness of 1 foot around the pipe. The vertical legs had a concrete covering 1½ feet thick. The completed work upon test proved to be absolutely tight.

During the coming year the existing 24-inch low service steel pipe on the Massachusetts Avenue Bridge over the New York, New Haven & Hartford Railroad, installed in 1883 and now in poor condition, should be replaced with a steel pipe carried under the railroad tracks in a concrete envelope. At the same time, and as a part of the same construction, a second 24-inch steel pipe should be laid to connect the present dead ends of the 24-inch high service main in Massachusetts avenue.

Respectfully submitted,

F. A. MCINNES,
Division Engineer.

SEWER SERVICE.

The work of the service is carried on under chapters 28 and 40, Revised Ordinances 1914, and the following statutes:

Chapter 426 — 1897, as amended by 450 — 1899 and 268 — 1903.
Chapter 383 — 1903, as amended by 464 — 1907.
Chapter 550 — 1907.
Chapter 204 — 1908.
Chapter 514 — 1908.
Chapter 348 — 1912.

THE DUTIES OF THE SEWER SERVICE.

1. Preparation of plans for sewerage works.
2. Construction and maintenance of all drainage works.
3. Investigation of complaints in regard to defective drainage.
4. The granting of permits for sewer construction.
5. The preparation of plans for the assessment of the cost of sewer construction.
6. The examination of the plans of other corporations proposing to construct works in public streets with reference to their probable interference with sewerage works.

Total number of employees on pay roll January 31, 1917	379
Total number of employees on pay roll January 31, 1918	428
Total amount of weekly pay roll January 31, 1917	$7,943 61
Total amount of weekly pay roll January 31, 1918	$9,165 54
Total amount of monthly pay rolls January 31, 1917	$508 33
Total amount of monthly pay rolls January 31, 1918	$508 33
Total amount of monthly pension roll January 31, 1917:	
Veterans	$685 55
Laborers	$697 16

Total amount of monthly pension roll January 31, 1918:	
Veterans	$618 89
Laborers	$662 16
Average weekly pay roll, including monthly roll and exclusive of pension roll, for fiscal year	$9,241 76
Charged as follows:	
Maintenance	* $4,217 83
Sewerage works	$3,290 81
Separate systems of drainage	$1,733 12
Average number of men employed	417
Number of men on pension roll January 31, 1917:	
Veterans	15
Laborers	23
Number of men on pension roll January 31, 1918:	
Veterans	14
Laborers	22
Average number of horses maintained by the service during the year	29
Rate of wages per day to common laborers	$2 50
(From June 1, 1918)	$3 00

* Includes amount charged to Paving Service	$97 70
Includes amount charged to Water Service	111 93
Includes amount charged to High Pressure Fire Service	254 14
Includes amount charged to Highways, Making of	113 44
	$577 21

Financial Statement from February 1, 1917, to January 31, 1918.

OBJECT.	Balances on Hand Feb. 1, 1917.	Appropriations, Loans and Transfers.	Transfers to.	Transfers from.	Total Credits.	Expenditures During the Year.	Balances on Hand Jan. 31, 1918.
Sewer Service	.....	$374,797 98	$4,685 32	.....	$379,483 30	$379,483 30	.....
Sewerage works	$273,038 07	600,000 00	.....	.....	873,038 07	826,307 72	$46,730 35
Separate systems of drainage	74,216 49	400,000 00	.....	.....	474,216 49	413,852 64	60,363 85
Totals	$347,254 56	$1,374,797 98	$4,685 32	.....	$1,726,737 86	$1,619,643 66	$107,094 20

MAINTENANCE EXPENDITURES, FEBRUARY 1, 1917, TO JANUARY 31, 1918.

SEWER SERVICE.

Improved Sewerage.

Pumping Station, Calf Pasture, inside	$89,615 38	
Pumping Station, Calf Pasture, outside	13,794 89	
Pumping Station, Calf Pasture, engines	25,349 07	
Pumping Station, Calf Pasture, boilers	16,562 01	
Pumping Station, Union Park street	6,048 53	
Pumping Station, Summer street	1,205 14	
Pumping Station, Hyde Park	764 11	
		$153,339 13
Moon Island		14,670 45
Main and intercepting sewers		21,685 79
		$189,695 37

Stony Brook.

Maintenance	2,867 32

Miscellaneous Maintenance Charges.

Cleaning catch-basins		48,339 18
Yards and lockers		582 41
Employed at yards		12,837 21
Horses, carts, harnesses, etc.	$10,754 20	
Teaming	12,083 06	
	$22,837 26	
Less amount earned by service teams	17,158 30	
		5,678 96
Automobiles		5,486 19
Cleaning sewers		30,260 63
Office salaries		12,134 47
Office expenses		2,428 79
Repairing department buildings	$75 18	
Repairing catch-basins, South Boston	1,438 66	
Repairing catch-basins, East Boston	3,150 70	
Repairing catch-basins, Charlestown	1,024 99	
Repairing catch-basins, Brighton	1,927 25	
Repairing catch-basins, West Roxbury	927 39	
Repairing catch-basins, Dorchester	3,623 54	
Repairing catch-basins, Hyde Park	72 92	
Repairing catch-basins, Roxbury	3,104 45	
Repairing catch-basins, city proper	3,013 61	
Repairing sewers, South Boston	626 32	
Repairing sewers, East Boston	885 76	
Repairing sewers, Charlestown	275 58	
Repairing sewers, Brighton	543 40	
Repairing sewers, West Roxbury	887 20	
Repairing sewers, Dorchester	2,233 41	
Repairing sewers, Hyde Park	87 84	
Repairing sewers, Roxbury	1,659 34	
Repairing sewers, city proper	2,705 39	
		28,262 93
Carried forward		$338,573 46

Brought forward		$338,573 46
Pension roll (veterans)		7,898 34
Pension roll (laborers)		8,074 62
Annuities		651 00
Fuel and oil		2,049 42
Hardware, tools, etc.		2,599 82
Engines and boilers		246 97
Sundries and miscellaneous charges		14,951 70
Telephones		267 68
House connection		8,320 54
Rubber goods		518 88
Gatehouse, Fenway		775 25
Stock		6,670 99
		$391,598 67

Credit.

Stock transferred and used on construction	$10,891 04	
Rubber goods transferred and used on construction	16 18	
Fuel and oil transferred and used on construction	1,142 45	
Hardware, tools, etc., transferred and used on construction	65 70	
		12,115 37
		$379,483 30

Charges to Various Parties for Property Sold and for Work Done and Material Furnished.

Standard Oil Company	$19 15
Roxbury Iron and Metal Company	214 05
Boston Elevated Railway Company	1,459 30
Anthony Baruffaldi	80 33
Commercial Wharf	3 00
Quincy Market Cold Storage Company	851 10
Boston Consumptives' Hospital Department	51 06
City of Boston, Wire Department	1 34
Edison Electric Illuminating Company	381 98
Park and Recreation Department	19 45
Eastern Cold Storage Company	162 74
John Mason Little, Trustee	220 07
R. L. Barrett	1 00
Massachusetts General Hospital	15 63
Mark H. Lynch	8 00
Miss Alice Collier	76 06
Boston City Hospital	2 03
John J. Lane	157 85
William S. Nolan	29 93
Wilson & Tomlinson	184 56
John McCourt	39 65
William J. Barry	45 00
Fenway Brewery	16 25
Boston Fire Department	8 75
Hugh Nawn	15 40
Louis M. Bianco	3 00
R. Missiano	8 00
	$4,074 68

Amounts Collected by City Collector for Sewer Service, February 1, 1917, to January 31, 1918.

Essex Lumber Company	$5 60
Boston Wharf Company	207 71
Children's Institutions Department	20 00
Standard Oil Company	19 15
B. Doyle	10 00
Roxbury Iron and Metal Company	214 05
Metropolitan Water and Sewerage Board	7,407 52
R. L. Barrett	1 00
Quincy Market Cold Storage Company	127 10
Commercial Wharf Corporation	3 00
Edison Electric Illuminating Company	499 76
Boston Consumptives' Hospital	51 06
City of Boston, Wire Department	1 34
Park and Recreation Department	19 45
Massachusetts General Hospital	15 63
Mark H. Lynch	8 00
William S. Nolan	29 93
Boston City Hospital	2 03
R. Missiano	8 00
Boston Elevated Railway Company	107 26
Fenway Brewery	16 25
Hugh Nawn	12 00
John McCourt	39 65
Louis M. Bianco	3 00
John J. Lane	157 85
Anthony Baruffaldi	80 33
	$9,066 67

Sewer Service.— Maintenance Expenditures, Detail, 1917-18.

Accounts.	Total Expenditure.	Labor.	Teaming.	Stock.	Contracts.	Miscellaneous.		
Automobiles (4)	$5,486 19	$2,042 47				Repairs	$1,180 65	
						Equipment	1,380 33	
						Supplies	867 74	
						Fees	15 00	
								$3,443 72
Cleaning catch-basins	48,339 18	19,895 45	$3,819 38	$191 68	$24,212 47	Car fares, etc.	$90 95	
						Advertising	10 00	
						Dumping	119 25	
								220 20
Cleaning sewers	30,260 63	11,549 48	3,745 00	207 37	258 43	Machine cleaning:		
						Machines	$2,143 75	
						Labor	12,355 00	
						Car fares, etc.	1 60	
								14,500 35
Engines and boilers	246 97	60 00				Waste, etc.	$26 68	
						Repairs and inspection,	160 29	
								186 97
Employed at yards	12,837 21	12,837 21						
Fuel and oil	2,049 42					Coal	$914 12	
						Oil and gasolene	1,135 30	
								2,049 42
Hardware and tools	2,599 82		36 00			Hose	$579 70	
						Canvass	251 75	
						Hardware, repairs, etc.	1,732 37	
								2,563 82
House connections	8,320 54	7,590 45		85 98		Repairs	$316 63	
						Car fares, etc.	327 48	
								644 11

Horses, carts, harnesses, etc.	10,754 20	3,386 36				Fodder	$4,980 31	
						Stable goods and supplies	87 45	
						Veterinary services	38 50	
						Repairs, wagons and harnesses	988 73	
						Shoeing	1,272 85	7,367 84
Maintenance, Stony brook	2,867 32	2,547 82	319 50					
Office expenses	2,428 79					Postage and printing	$440 83	
						Stationery supplies	1,776 50	
						Miscellaneous	211 46	2,428 79
Office salaries	12,134 47	12,134 47						
Rubber goods	518 88					66 pairs boots 77 coats 14 pairs mitts 27 hats		518 88
Stock	6,670 99	105 00	433 57	6,132 42				
Teaming	12,083 06	12,083 06						
Telephones	267 68							267 68
Yard and locker	582 41	157 95	17 00			Gas and electricity	$221 16	
						Miscellaneous	186 30	407 46
Back Bay Fens, gatehouses	775 25					Electricity	$260 73	
						Car fares	3 75	
						Repairs	510 77	775 25
Miscellaneous, sundries	14,951 70	14,225 85	94 00	113 50		Repairs	$201 00	
						Car fares, etc.	134 34	
						Photos	183 01	518 35
Repairing department buildings	75 18			75 18				
Repairing catch-basins:								
South Boston	1,438 66	967 18	109 00	362 48				
East Boston	3,150 70	2,407 26	108 00	635 44				
Charlestown	1,024 99	731 88	132 00	161 11				
Brighton	1,927 25	729 85	329 50	867 90				
West Roxbury	927 39	392 30	256 50	278 59				
Dorchester	3,623 54	1,724 78	530 50	1,368 26				
Hyde Park	72 92	42 59	4 00	26 33				

Sewer Service.— Maintenance Expenditures, Detail, 1917-18.— *Concluded.*

ACCOUNTS.		Total Expenditure.	Labor.	Teaming.	Stock.	Contracts.	Miscellaneous.
Repairing catch-basins:							
Roxbury		$3,104 45	$2,412 96	$167 00	$524 49		
City proper		3,013 61	1,560 56	343 00	1,110 05		
Repairing sewers:							
South Boston		626 32	466 39	50 00	109 93		
East Boston		885 76	659 55	91 00	135 21		
Charlestown		275 58	169 60	64 00	41 98		
Brighton		543 40	323 40	122 00	98 00		
West Roxbury		887 20	624 72	116 50	145 98		
Dorchester		2,233 41	1,745 17	204 00	284 24		
Hyde Park		87 84	.....	51 00	36 84		
Roxbury		1,659 34	1,451 18	70 00	138 16		
City proper		2,705 39	1,166 65	393 00	1,145 74		
Pension roll, veterans and laborers		15,972 96	15,972 96				
Annuities		651 00	.....	.....	.....	.....	$651 00
		$219,061 60	$132,164 55	$11,605 45	$14,276 86	$24,470 90	$36,543 84
Less Credits.							
Teams	$17,158 30						
Stock	10,891 04						
Rubber goods	16 18	29,273 67	11,347 63	.....	10,891 04	.....	7,035 00
Fuel and oil	1,142 45						
Hardware and tools	65 70						
Totals		$189,787 93	$120,816 92	$11,605 45	$3,385 82	$24,470 90	$29,508 84

Sewer Service.— Maintenance Expenditures, Detail, 1917-18.

Accounts.	Total Expenditure.	Labor.	Contracts.	Teaming.	Waste.	Coal and Wood.	Oil and Gasolene.	Packing.	Valves.	Car Fares.	Stable.	Pipe Fittings and Miscellaneous.	Towing.	Autos.
Pumping station, inside, Calf Pasture	$89,615 38	$25,806 02	.....	.....	$435 00	$58,295 34	$386 40	.....	.....	$4 40	.....	$4,688 22		
Pumping station, outside, Calf Pasture	13,794 89	10,188 59	$490 00	$15 00	.....	.....	.....	.....	.....	.....	$888 01	875 89	$800 00	$537 40
Pumping station, engines, Calf Pasture	25,349 07	21,395 54	.....	.....	.....	.....	1,506 31	$850 36	$1,131 17	.....	.....	465 69		
Pumping station, boilers, Calf Pasture	16,562 01	15,752 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	809 26		
Pumping station, Union Park street	6,048 53	4,332 32	.....	.....	.....	308 48	.....	.....	.....	.....	.....	1,407 73		
Pumping station, Summer street	1,205 14	330 01	.....	.....	.....	.....	.....	.....	.....	.....	.....	875 13		
Pumping station, Hyde Park,	764 11	372 75	.....	.....	.....	.....	.....	.....	.....	.....	.....	391 36		
Moon Island	14,670 45	10,693 45	900 00	.....	.....	47 50	27 45	.....	.....	624 21	447 68	1,930 16		
Main and intercepting sewers	22,005 29	18,057 44	.....	.....	.....	117 75	56 92	.....	.....	3 10	1,005 54	2,424 67	.....	339 87
	$190,014 87	$106,928 87	$1,390 00	$15 00	$435 00	$58,769 07	$1,977 08	$850 36	$1,131 17	$631 71	$2,341 23	$13,868 11	$800 00	$877 27
Credits.														
Main and intercepting sewers:														
Amount earned by service teams	319 50	200 00	.....	.....	.....	.....	.....	.....	.....	.....	119 50			
Totals	$189,695 37	$106,728 87	$1,390 00	$15 00	$435 00	$58,769 07	$1,977 08	$850 36	$1,131 17	$631 71	$2,221 73	$13,868 11	$800 00	$877 27

Recapitulation.— Maintenance Detail, 1917-18.

	Improved Sewerage.	Outside Improved Sewerage.	Totals.
Labor	$106,928 87	$132,164 55	$239,093 42
Contracts	1,390 00	24,470 90	25,860 90
Teaming, hired and city	15 00	11,605 45	11,620 45
Waste	435 00	26 68	461 68
Fuel	58,769 07	914 12	59,683 19
Oil	1,977 08	1,135 30	3,112 38
Packing	850 36	.....	850 36
Valves	1,131 17	.....	1,131 17
Car fares, traveling expenses, etc.	631 71	558 57	1,190 28
Horses, etc.	2,341 23	7,367 84	9,709 07
Towing	800 00	.....	800 00
Pipe fittings and miscellaneous	13,868 11	.....	13,868 11
Telephone	.....	267 68	267 68
Automobiles, repairs and supplies	877 27	3,443 72	4,320 99
Stock and miscellaneous supplies	.....	37,106 79	37,106 79
	$190,014 87	$219,061 60	$409,076 47
CREDITS.			
Improved Sewerage.			
Labor $200 00			
Stables 119 50	319 50		
Outside Improved Sewerage.			
Miscellaneous $7,035 00			
Labor 11,347 63			
Stock 10,891 04	.....	29,273 67	29,593 17
	$189,695 37	$189,787 93	$379,483 30

WASTE.

3,000 pounds at 14½c.	$435 00

COAL.

7,105 179/418 tons soft coal	$58,295 34
58.7 tons hard coal	473 73
	$58,769 07

TOWING.

Boston Tow Boat Company	$500 00
New England Fuel and Transportation Company	300 00
	$800 00

PACKING.

1,089¼ pounds at 52c. to $1.35,	$850 36

OIL.

2,392 gallons of engine at	17½c. to 30c.
1,077 gallons of cylinder at	21c. to 45c.
152.5 gallons of gargoyle at	36c. to 43c.
208 gallons of sperm at	75c. to $1.60.
30 gallons of lard at	$1.20 to $1.62.
303.5 gallons of turbine at	40c.
2,591 pounds grease at	9c to 10c.
650 gallons of kerosene at	7c. to 10c.
600 gallons of gasolene at	22½c. to 24c.

Coal at Pumping Station, Calf Pasture.

DATE.	Contractor.	Tons.	PAID IN 1917–18.	
			Per Ton.	Totals.
Dec. 13...	New England Coal & Coke Company.	502 $\frac{13}{20}$	$7 16	$3,594 54
Nov. 18...	New England Coal & Coke Company.	520 $\frac{1178}{2240}$	7 16	3,728 54
Nov. 18...	New England Coal & Coke Company.	521 $\frac{440}{2240}$	7 16	3,732 47
Mar. 3...	Batchelder Brothers.....	3	5 00	15 00
Mar. 15...	New England Coal & Coke Company.	494 $\frac{200}{2240}$	7 16	3,539 92
Mar. 21...	New England Coal & Coke Company.	612 $\frac{880}{2240}$	7 16	4,384 67
April 2...	New England Coal & Coke Company.	656 $\frac{140}{2240}$	7 16 *045	4,667 89
July 9...	Alfred M. Browne.....	1,027	9 25 †06	9,561 37
June 25...	J. Donahue. Discharging.....	.....	.....	513 50
Sept. 4...	J. Donahue. Discharging.....	.....	.....	450 50
Aug. 18...	New England Coal & Coke Company.	901	8 10 †06	7,352 16
Oct. 18...	Castner, Curran & Bullett, Inc.....	745 $\frac{12}{20}$	8 13 †06	6,102 10
Oct. 9...	J. Donahue. Discharging.....	.....	.....	248 50
Oct. 18...	J. Donahue. Discharging.....	.....	.....	372 50
Nov. 7...	J. Donahue. Discharging.....	.....	.....	312 50
Dec. 1...	Burton-Furber Coal Company.....	625 $\frac{748}{2240}$	8 15	‡5,277 76
Oct. 8...	New England Coal & Coke Company.	497 $\frac{748}{2240}$	8 87 †06	4,441 42
		7,105 $\frac{1178}{2240}$	.....	$58,295 34

* Penalty. † Weighing. ‡ Including $50.00 for towing.
93.80 for rehandling.
37.52 for weighing.

Catch-basins Cleaned by Contract, 1917-18.

District.	Contractor.	Start and Finish of Work.	Price per Basin.	Cubic Yards Excavated.	Total Cubic Yards Excavated.	Contractor Received.	Total Basins Cleaned.	Total Drop Inlets Cleaned.	Total Basins Freed.	Average Cubic Yards per Basin.	Total Cost of Inspection.	Average Cost to City per Basin.
1. East Boston, Charlestown	J. W. Collins	Feb. 26, 1917 / Dec. 15, 1917	$3 24	1,338.59 / 1,200.70	2,539.29	$3,313 40	527 / 483	1 / 16	9 / 3	2.54 / 2.48	$757 56	$3 99
2. South Boston, Dorchester	M. H. Lynch	Feb. 2, 1917 / Jan. 5, 1918	3 20	1,795.23 / 4,738.59	6,533.82	6,530 10	549 / 1,449	12 / 48	20 / 30	3.27 / 3.27	2,113 08	4 25
3. West Roxbury, Hyde Park	M. H. Lynch	Mar. 17, 1917 / Nov. 6, 1917	3 00	1,205.12 / 377.53	1,582.65	2,094 00	386 / 206	13 / 1	..... / 2	3.12 / 1.83	789 81	4 84
4. Roxbury, South End, Back Bay, Brighton	M. H. Lynch	Feb. 2, 1917 / Dec. 28, 1917	3 20	4,604.03 / 610.60	5,214.63	5,382 60	1,370 / 196	65 / 15	127 / 1	3.36 / 3.12	1,911 15	4 44
5. City proper	J. W. Collins	Feb. 2, 1917 / Feb. 2, 1918	3 14	6,572.03	6,572.03	8,443 50	2,388	115	435	2.76	1,227 35	3 64

Total catch-basins cleaned.....7,554
Total catch-basins freed..... 627
Total drop inlets cleaned..... 286

Total costs: Contractors.....* $25,763 60
Inspection..... † 8,640 18
Advertising..... 10 00
Miscellaneous..... 120 95
$34,534 73

Total cubic yards material removed, 22,442.42.
Average cost per basin, $4.37.

* Held in litigation, $2,754.60. Paid in 1918, $1,287.46.
† Includes $1,563 salary of transitman in charge; $278.23, part salary of general foreman of construction. Total $1,841.23.

UNIV. OF MICH.

Sewerage Works.

Expenditures, February 1, 1917, to January 31, 1918.

Accounts.	Labor.	Teaming.	Materials.	Miscellaneous.	Paid to Contractors.	Totals.
Engineers' salaries	$79,826 68					$79,826 68
Engineers' expense	2,765 06	$945 00		$7,164 27	$2,914 13	13,788 46
Pumping stations				1,157 04	459 00	1,616 04
Sundries	5,182 98		$8,863 38	54 18		14,100 54
Land-takings and court executions				4,651 64		4,651 64
New manholes, entire city	4,899 58	351 00	1,264 28		3,883 70	10,398 56
New catch-basins, South Boston	1,355 23	331 00	1,296 57			2,982 80
New catch-basins, East Boston	575 82	10 00	83 36			669 18
New catch-basins, Charlestown	1,026 40	200 00	95 02			1,321 42
New catch-basins, Brighton	660 23	56 00	557 35		3,142 39	4,415 97
New catch-basins, West Roxbury	2,875 21	305 50	1,635 72			4,816 43
New catch-basins, Dorchester	3,950 18	315 75	2,025 02		5,194 28	11,485 23
New catch-basins, Hyde Park	995 70	71 00	320 61		4,169 61	5,556 92
New catch-basins, Roxbury	137 03	69 00	516 40		2,771 56	3,493 99
New catch-basins, city proper	9,744 02	1,285 00	4,412 34		10,658 08	26,099 44
Sewers built in entire city	57,046 26	1,121 50	16,936 22	5,769 58	560,210 86	*641,084 42
Totals	$171,040 38	$5,060 75	$38,006 27	$18,796 71	$593,403 61	$826,307 72

SEWERAGE WORKS LOAN EXPENDITURES FOR 1917 AND 1918.

SOUTH BOSTON.

B and Seventh streets overflow extension from New York, New Haven & Hartford Railroad to a point 130 feet westerly	$5,176 66
Strandway and Old Harbor improvement	359,590 17
Ralston street, from Old Colony avenue to Dorchester avenue	15,466 82
Woodward street, from Dorchester avenue to 141 feet southeasterly	1,374 64
Broadway, from H street to 400 feet westerly	3,864 36
	$385,472 65

Built 5,104.25 linear feet, 10 manholes, 14 catch-basins.

EAST BOSTON.

Condor street, from Glendon street to East Eagle street	$105 19
Frankfort street, from Prescott street to Neptune road Neptune road, from Bennington street to Boston, Revere Beach & Lynn Railroad	10,955 14
Gove street, from Cottage street to Venice street	420 64
Jeffries street, from Marginal street to Sumner street Sumner street, from Jeffries street to about 250 feet easterly	297 92
London street, from Decatur street to Maverick street	3,690 57
Shelby street, from Saratoga street to Lexington street	1,744 87
Webster street, from Orleans street to 220 feet easterly	2,146 85
Faywood avenue, from Orient avenue to Tower street	4,788 13
	$24,149 31

Built, 2,783.29 linear feet, 14 manholes, 3 catch-basins.

CHARLESTOWN.

Cambridge street, from existing sewer 100 feet west of Stark street to Crescent street	$1,111 83
Rutherford avenue, from Baldwin street to Allen street	2,138 16
Chelsea street, from Chamber street to Henley street, and Gray street, from Water street to Chelsea street	1,104 70
	$4,354 69

Built 329.63 linear feet, 2 manholes.

BRIGHTON.

Colonial road, from Commonwealth avenue to Euston road	$5 04
Commonwealth avenue, from Ashby street to Essex street	2,495 87
Kenrick street, from Lake street to Brayton road,	964 98
Walbridge street, from Brainerd road to Commonwealth avenue	39 72
Matchett street, from Perthshire road 100 feet northerly	327 17
Bellamy street, from Burton street to Richards street Bellamy street, from Richards street to Matchett street Perthshire road, from Matchett street to 30 feet east of Atkins street	3,453 25
	$7,286 03

Built 803.15 linear feet, 6 manholes.

WEST ROXBURY.

Ballard street, from Centre street to Bardwell street	$29 70
La Grange street, from Glenham street to 590 feet southeasterly	131 89
Elven road, from Washington street to Stony brook	1,957 54
Worley street, from metropolitan sewer to Dwinell street Hodgdon terrace, from Maple street to 200 feet westerly	2,055 55
Carried forward	$4,174 68

Brought forward	$4,174 68
Florence street, from Westbourne road to Wyvern street Wyvern street, from Florence street to Hyde Park avenue	5,606 23
Washington street, Lesher street and South street	3,057 22
Garfield street, northeast branch, from Garfield street to Kenton road	754 82
Grover street, from Florence street to Neponset avenue Grover avenue, from Grover street to 160 feet west and north	4,167 78
South Conway street, from Robert street to South street	2,160 56
Weld street from Walker street to Arthur street	632 91
	$20,554 20

Built 2,363.70 linear feet, 23 manholes.

DORCHESTER.

Adams street, from Beaumont road to 150 feet south Southwick street, from Freeport street to Savin Hill avenue	$301 40
Dorchester avenue, from Hancock street to Savin Hill avenue	160 31
Davenport brook, from Codman street to Washington street	10,790 23
Dorchester brook in Dacia street, from Brookford street to Quincy street	25,095 19
Bowdoin street, from Winter street to Hendry street Hendry street, from Bowdoin street to Coleman street Coleman street, from Hendry street to Quincy street	3,229 46
Harvest street, from Willowwood street to Lucerne street Train street, from 100 feet south of Boutwell street to Boutwell street Rutledge road, from 360 feet east of Wood avenue to 160 feet west of Hyde Park avenue,	227 20
Groveland street, from Glenmore street to Manchester street	48 43
Carried forward	$39,852 22

Brought forward	$39,852 22
Levant street, from 150 feet east of Tebroc street to 140 feet easterly Delano street, from Levant street to Bowdoin street	245 19
Mount Ida road, from Homes avenue to 200 feet north Homes avenue, from 70 feet southwest of Mount Ida road to Mount Ida road	389 77
Private land, south of Park street, opposite Marlowe street	369 98
Lawrence avenue, from 65 feet southeast of Mascoma street to 95 feet southeast Stoughton street, from 347 feet southeast of Columbia road to 100 feet southeast	1,300 24
Wilcox road, from Beaumont street to Elm road, Sampson street, from Adams street to 295 feet easterly	3,433 26
Davenport brook in Hallet street	200 00
Balsam street, from Irma street to Lucerne street Dunbar avenue, from Moody street to 200 feet west	1,128 95
Norfolk street, from Corbet street to Blue Hill avenue Walk Hill street, from Norfolk street to Blue Hill avenue Mildred avenue and private land, from Mildred avenue to Astoria street	19,831 23
Foss road, from Beaumont street to Elm road	1,201 18
Annapolis street, from Bakersfield street to Sumner street Bakersfield street, from Mayfield street to Annapolis street	980 77
Manchester street, from Groveland street to 230 feet westerly	688 89
Almont street, from 330 feet north of Blue Hill avenue to Walk Hill street Favre street, from 100 feet northeast of Canaan street to Hersey street Hersey street, from Favre street to Street 2037, Street 2037, from Hersey street to Street 2302, Street 2302, from Street 2037 to Orlando street, Orlando street, from Street 2302 to Almont street Monterey street, from Orlando street to Almont street	12,478 75
Carried forward	$82,100 43

Brought forward	$82,100 43
Codman street, from 210 feet east of Washington street Pleasant street, at Whitby terrace and Hesston terrace Dorchester avenue, from Hancock street to Dorchester avenue	3,141 61
Edgewater drive, from Tokio street to Malta street	817 73
Bowdoin street, from Topliff street to Olney street Topliff street, from Bowdoin street to 50 feet south	1,166 44
East Cottage street, from Norfolk avenue to railroad	3,730 44
Ruggles place, from Avondale place to Washington street	509 47
Elder street, from Humphreys street to Cawfield street	156 95
Deer street, from Melvinside terrace to Roach street	4 50
Stanwood street, from Normandy street to about 284 feet southeast	774 56
	$92,402 13

Built 11,873.77 linear feet, 62 manholes, 50 catch-basins.

HYDE PARK.

Water street, from Garfield street to East Glenwood avenue East Glenwood avenue, from Water street to Loring street	$725 22
Wilton street, from Hyde Park avenue to 250 feet southeast Randolph road, from Rock road to Ridge road,	2,715 85
Hyde Park avenue, from Factory street to River street Dana avenue, from Hyde Park avenue to Folsom street Folsom street, from Dana avenue to Pine street,	6,787 30
Erie street, at Neponset river	183 48
Hillside street, from River street to Church street Church street, from River street to Hillside street	3,112 95
Carried forward	$13,524 80

Brought forward	$13,524 80
Child street, from Chestnut street to Gordon avenue	1,588 60
Hyde Park avenue, under railroad bridge	3,195 49
	$18,308 89

Built 4,227.41 linear feet, 25 manholes, 14 catch-basins.

CITY PROPER.

Washington street, from Stillman street to Cross street	$293 79
South End sewer improvement, Columbus avenue, from Alley 815 to Wellington street, and Wellington street, from Columbus avenue to Alley 531	92 08
Cross street, from Commercial street to Fulton street	1,908 94
Canal street, from Market street to Merrimac street; Sudbury street, from Haymarket square to Portland street	362 90
Clinton street, from Commercial street to Merchants row	141 66
Albany street, from Harvard street to Kneeland street	3,577 04
Barrett street, from Fulton street to 100 feet westerly; Fulton street, from Richmond street to Ferry street	4,216 92
Harrison avenue, from Kneeland street to Dover street	3,548 62
North street, from Clark street to 86 feet south	1,602 53
Atlantic avenue, from Summer street to Belcher lane	27,272 72
Richmond street, from Mercantile street to Atlantic avenue	1,767 44
Randolph street, from Harrison avenue to 190 feet easterly	593 54
Avon street, from 80 feet southeast of Washington street to 70 feet southeast	290 00
Utica street, from Beach street to Utica place	1,271 60
	$46,939 78

Built 1,997.64 linear feet, 13 manholes, 10 catch-basins.

ROXBURY.

Brookline avenue, from Audubon road to Jersey street	$5,209 02
Roys street, from Lamartine street to Chestnut avenue	64 10
Jersey street, from Peterborough street to Audubon road	2,683 53
Moreland street, from Dennis street to Brook avenue	4,719 12
Catch-basins, Roxbury	20,181 67
Connolly street, from Fellows street to Harrison terrace	8,759 30
	$41,616 74

Built 3,448.42 linear feet, 10 manholes, 117 catch-basins.

SEWERAGE WORKS LOAN, 1917–18.

Engineers' salaries, general	$79,826 68
Amount charged to construction of sewers	12,062 00
	$91,888 68

ENGINEERS' EXPENSE.

Labor	$2,765 06
Teaming	945 00
Borings	2,491 49
Car fares, etc.	1,633 67
Photos	379 45
Supplies, etc.	5,573 79
	$13,788 46

PUMPING STATION CONSTRUCTION.

Pumping Station, Calf Pasture.

Advertising	$4 50
New ventilator and erecting	198 50
Patterns	6 77
Elbows for No. 3 and No. 4 engines	459 00
Cable chains	947 27
	$1,616 04

SUNDRIES.

Labor	$5,182 98
Ironwork, etc.	8,704 84
Repairs on streets	158 54
Blacksmithing	8 60
Carried forward	$14,054 96

Brought forward	$14,054 96
Advertising	9 40
Dumping	50
Water Service	26 12
Paving	9 56
	$14,100 54

COURT EXECUTIONS AND AWARDS ON ACCOUNT OF LAND-TAKINGS, ETC.

A. L. Kettredge *et al.*, Dunbar street, West Roxbury	$300 00
Neil McNeil, Freeport street, Dorchester	700 00
J. H. and J. P. Riley, Hallet street, Dorchester	250 00
Lucy Guarino, Brook avenue, West Roxbury	65 24
Julia C. Yancke, Brook avenue, West Roxbury	36 40
Charles R. Cavanagh *et al.*, Dorchester avenue, Dorchester	1,000 00
A. M. Cusack, Davenport brook, Dorchester	500 00
Diamond Lock Fence Company, Mildred avenue, Dorchester	100 00
P. W. Hill, Pinehurst area, Hyde Park	1,700 00
	$4,651 64

Sewerage Works.— New Manholes.

LOCATION.	Built by	Number.	Labor.	Teaming.	Materials.	Contracts.	Totals.	Begun.	Finished.
North Market street, city proper	Day labor	2	$71 76	$6 00	$53 74	.....	$131 50	Feb. 27	Mar. 4
South Market street, city proper	Day labor	1	.....	14 00	23 93	.....	37 93	Feb. 27	Mar. 2
Union street, city proper	Contract	1	25 00	1 00	13 70	$332 82	372 52	Mar. 26	April 5
Conant street, Roxbury	Contract	1	40 00	4 00	21 75	274 25	340 00	Mar. 27	April 1
Motte street, Roxbury	Day labor	1	68 23	16 00	57 37	.....	141 60	April 9	April 16
Saratoga street, East Boston	Day labor	1	62 30	.....	43 80	.....	106 10	April 24	April 30
Tufts street, Charlestown	Day labor	1	63 95	12 00	38 62	.....	114 57	April 20	April 25
Broadway, South Boston	Day labor	1	30 84	16 00	47 98	.....	94 82	April 16	April 24
M street, South Boston	Day labor	1	59 89	21 00	42 80	.....	123 69	May 18	May 23
Mt. Vernon street, city proper	Contract	1	.....	.....	30 00	220 18	250 18	May 22	May 25
Burrell street, city proper	Day labor	1	18 70	8 00	41 57	.....	68 27	May 21	June 21
Decatur street, city proper	Day labor	1	41 95	14 00	60 83	.....	116 78	June 29	July 3
Harrison avenue, city proper	Day labor	1	64 45	20 00	42 79	.....	127 24	July 2	July 10
River street, Hyde Park	Day labor	2	385 41	25 00	89 88	.....	500 29	June 29	July 17
A street, South Boston	Day labor	1	100 80	24 00	50 45	.....	175 25	July 5	July 10
Cross street, city proper	Contract	1	.....	.....	19 53	112 55	132 08	June 16	June 18
State street, city proper	Day labor	1	121 08	.....	30 43	.....	151 51	July 11	Aug. 2
Haverford street, West Roxbury	Day labor	1	243 57	29 00	42 02	.....	314 59	Aug. 8	Aug. 16
Somerset street, city proper	Day labor	1	100 00	.....	.....	.....	100 00	Aug. 10	Aug. 15*

Beacon street, city proper	Day labor	3	200 00	.....	.....	.....	200 00	Aug. 18	Sept. 6*
Kilby street, city proper	Day labor	1	100 00	8 00	20 79	.....	128 79	July 10	July 30*
Renfrew street, city proper	Day labor	1	33 90	12 00	.....	.....	45 90	Sept. 13	Sept. 17*
South Market street, city proper	Day labor	1	137 42	38 00	23 70	.....	199 12	Oct. 22	Nov. 10
Green street, West Roxbury	Contract	3	.....	12 00	.....	278 60	290 60	Sept. 20	Sept. 25*
Readville station, Hyde Park	Contract	1	.....	.....	.....	196 34	196 34	Oct. 4	Oct. 11*
Windom street, Brighton	Contract	2	.....	.....	.....	295 26	295 26	Oct. 18	Nov. 8*
Union street, Brighton	Day labor	2	237 00	17 00	95 38	.....	349 38	Oct. 25	Nov. 5
Atherton street, Roxbury	Contract	2	10 00	.....	.....	135 00	145 00	Oct. 1	Oct. 8*
Amory street, Roxbury	Contract	1	.....	.....	.....	105 00	105 00	Oct. 12	Oct. 17*
Gannett street, Roxbury	Contract	1	10 00	.....	.....	75 00	85 00	Oct. 27	Nov. 3*
Brookside avenue, West Roxbury	Day labor	1	263 67	29 00	22 14	.....	314 81	Oct. 23	Nov. 1*
Chelsea street, Charlestown	Day labor	2	1,006 50	20 00	.....	.....	1,026 50	Oct. 24	.....*
Byron court, Roxbury	Day labor	2	245 64	.....	43 33	.....	288 97	Nov. 5	Nov. 17*
Fairmount avenue, Hyde Park	Contract	2	.....	.....	.....	1,476 69	1,476 69	Oct. 11	Oct. 25*
Union street, city proper	Day labor	1	60 00	.....	.....	.....	60 00	Oct. 15	Oct. 22*
Mt. Vernon street, city proper	Day labor	1	402 32	.....	.....	.....	402 32	Dec. 6	Dec. 21*
Bodwell street, Dorchester	Day labor	1	49 08	.....	.....	.....	49 08	Dec. 14	Dec. 17*
Business street, Hyde Park	Day labor	2	158 80	.....	2 01	.....	160 81	Nov. 23	Dec. 22*
Batavia street, city proper	Contract	2	.....	.....	.....	212 01	212 01	Nov. 1	Nov. 15*
Wolcott street, Hyde Park	Contract	1	.....	.....	.....	85 00	85 00	Nov. 8	Nov. 28*
Water street, Hyde Park	Contract	1	.....	.....	.....	85 00	85 00	Nov. 21	Dec. 17*

* Cost not complete.

Sewerage Works.— New Manholes.— *Concluded.*

LOCATION.	Built by	Number.	Labor.	Teaming.	Materials.	Contracts.	Totals.	Begun.	Finished.
Nashua street, city proper †	Day labor	1							
Farrington street, Brighton	Cohtract	1	$155 62				$155 62	Jan. 14	Jan. 19*
Everett street, East Boston	Contract	1	46 40				46 40	Jan. 15	Jan. 18*
Linden street, Brighton	Contract	1	73 50				73 50	Jan. 22	Jan. 26*
Miscellaneous			211 80	$2 00	$53 81		267 61		
Paid in 1917 for manholes built in 1916				3 00	251 93		254 93		
Totals		59	$4,899 58	$351 00	$1,264 28	$3,883 70	$10,398 56		

* Cost not complete.

† Tide-gate chamber. For cost see new catch-basin account.

SEWERAGE WORKS LOAN.

New Catch-basins Paid for, February 1, 1917, to January 31, 1918. (Contract and Day Labor.)

District.	Built by	Built in 1916.	Built in 1917.			Total Expenditure.	Location.	Number Catch-basins Built.	Number Catch-basins Rebuilt.
		Materials, etc.	Labor.	Contractor.	Material and Teaming.				
South Boston	Day labor	$369 06				$369 06			
South Boston	Day labor		$81 34		$104 73	186 07	East Ninth street	1	
South Boston	Day labor		473 42		454 32	927 74	West Broadway		5
South Boston	Day labor		95 68		123 46	219 14	East First street	1	
South Boston	Day labor		164 84		178 47	343 31	East Seventh street	2	
South Boston	Day labor		241 84		172 86	414 70	West First street	2	
South Boston	Day labor		298 11		141 42	439 53	D street	2	
South Boston	Contract				39 65	39 65	West First street	1	
South Boston	Contract				43 60	43 60	Eighth street		2
		$369 06	$1,355 23		$1,258 51	$2,982 80		9	7
East Boston	Day labor	$46 19				$46 19			
East Boston	Day labor		$117 20		$37 17	154 37	Coleridge street	1	
East Boston	Day labor		458 62		10 00	468 62	Leyden street *	3	
		$46 19	$575 82		$47 17	$669 18		4	

* Cost not complete.

Sewerage Works Loan.— *Continued.*

District.	Built by	Built in 1916.	Built in 1917.			Total Expenditure.	Location.	Number Catch-basins Built.	Number Catch-basins Rebuilt.
		Materials, etc.	Labor.	Contractor.	Material and Teaming.				
Charlestown	Day labor	$32 40				$32 40			
Charlestown	Day labor		$1,026 40		$262 62	1,289 02	Alford street *	7	
		$32 40	$1,026 40		$262 62	$1,321 42		7	
Brighton	Day labor	$115 67				$115 67			
Brighton	Day labor		$25 80			25 80	Cummings road *		1
Brighton	Contract			$58 80		58 80	Waldo terrace *		1
Brighton	Day labor		253 00		$222 20	475 20	Connections.		
Brighton	Day labor		155 43		66 43	221 86	Market street, track inlets	2	
Brighton	Contract		51 00	417 50	38 20	506 70	Western avenue	2	
Brighton	Contract		10 00	100 00		110 00	Gaffney street *	1	
Brighton	Contract		35 00	313 20	39 80	388 00	Faneuil street	2	
Brighton	Contract		20 00	821 07	63 65	904 72	Beacon street	4	
Brighton	Contract		20 00	106 90		126 90	Royal street *	1	
Brighton	Contract		30 00	426 60		456 60	Hooker street *	4	
Brighton	Contract		10 00	250 75		260 75	South street *	2	
Brighton	Contract		10 00	347 18	67 40	424 58	Fuller street	2	

Brighton	Contract	.....	20 00	143 14	.....	163 14	Hunnewell avenue *	1	
Brighton	Contract	.....	20 00	157 25	.....	177 25	Arden street *	1	
		$115 67	$660 23	$3,142 39	$497 68	$4,415 97		20	2
							Track inlets	2	
West Roxbury	Day labor	$543 16	.....	.....	.....	$543 16			
West Roxbury	Day labor	.....	$340 15	.....	$199 10	539 25	Washington street	1	
							Washington street, track inlets	2	
West Roxbury	Day labor	.....	90 92	.....	139 89	230 81	Bellevue street	1	
West Roxbury	Day labor	.....	182 32	.....	149 17	331 49	Metropolitan avenue	1	
West Roxbury	Day labor	.....	184 05	.....	131 92	315 97	Poplar street	1	
West Roxbury	Day labor	.....	612 83	.....	434 81	1,047 64	Cliffmont street	5	
West Roxbury	Day labor	.....	97 30	.....	132 51	229 81	Pond street	1	
West Roxbury	Day labor	.....	268 24	.....	78 21	346 45	Cornell street	1	
West Roxbury	Day labor	.....	133 24	.....	22 00	155 24	Haffenreffer brewery	1	
West Roxbury	Day labor	.....	530 84	.....	.....	530 84	Washington street *	1	
West Roxbury	Day labor	.....	140 71	.....	.....	140 71	Hyde Park avenue *	1	
West Roxbury	Day labor	.....	143 81	.....	.....	143 81	Baker street *	1	
West Roxbury	Day labor	.....	150 80	.....	110 45	261 25	Connections.		
		$543 16	$2,875 21	.....	$1,398 06	$4,816 43		15	
							Track inlets	2	
Dorchester	Day labor	$174 02	.....	.....	.....	$174 02			
Dorchester	Day labor	.....	$197 90	.....	$108 53	306 43	Hill Top street	1	
Dorchester	Day labor	.....	2,788 82	.....	1,566 39	4,355 21	Dorchester avenue	10	

* Cost not complete.

Sewerage Works Loan.— *Continued.*

District.	Built by	Built in 1916.	Built in 1917.			Total Expenditure.	Location.	Number Catch-basins Built.	Number Catch-basins Rebuilt.
		Materials, etc.	Labor.	Contractor.	Material and Teaming.				
Dorchester	Contract		$5 00	$434 55	$110 70	$550 25	Romsey street	4	
Dorchester	Day labor		169 54		42 25	211 79	Fuller street	1	
Dorchester	Contract		20 00	593 24	109 00	722 24	Howard avenue	3	
Dorchester	Day labor		190 92		49 96	240 88	Geneva avenue	1	
Dorchester	Contract		20 00	1,009 28	61 20	1,090 48	Devon street	2	
Dorchester	Contract		20 00	349 21	78 40	447 61	Eldon street	3	
Dorchester	Contract		85 18	289 03		374 21	Park street *	1	
Dorchester	Contract		20 00	404 47		424 47	Mt. Ida road *	2	
Dorchester	Contract		13 50	329 05		342 55	Draper street *	1	
Dorchester	Contract		20 00	202 23		222 23	Elmdale circle *	1	
Dorchester	Contract		29 04	210 33		239 37	Sagamore street *	1	
Dorchester	Contract		20 00	231 48		251 48	Norfolk street *	1	
Dorchester	Contract		20 00	242 13	40 32	302 45	Dorchester avenue	1	
Dorchester	Contract		131 02	899 28		1,030 30	Ericson street *	3	
	Day labor		199 26			199 26	Connections.		
		$174 02	$3,950 18	$5,194 28	$2,166 75	$11,485 23		36	

Hyde Park	Day labor	.....	$508 77	.....	$232 44	$741 21	Eastern avenue Dana avenue	2 1	
Hyde Park	Day labor	.....	124 98	.....	88 00	212 98	Cleveland street	1	
Hyde Park	Day labor	.....	120 55	.....	71 17	191 72	River street	1	
Hyde Park	Contract	.....	50 00	$670 06	.....	720 03	Dana avenue *	2	
Hyde Park	Day labor	.....	60 00	777 86	.....	837 86	Fairmount avenue	3	
Hyde Park	Day labor	.....	64 20	955 65	.....	1,019 85	Wolcott square	3	
Hyde Park	Day labor	.....	50 00	1,376 86	.....	1,426 86	Water street	2	
Hyde Park	Day labor	.....	17 20	389 18	.....	403 38	Connections.		
		.....	$995 70	$4,169 61	$391 61	$5,553 92		15	
Roxbury	Contract	$327 78	.....	$123 74	.....	$451 52			
Roxbury	Contract	.....	$24 50	.....	$82 02	106 52	Homestead street	2	
Roxbury	Contract	.....	25 00	504 83	61 20	591 03	Dale street	2	
Roxbury	Contract	.....	57 53	877 31	42 00	976 84	Cummington street	7	
Roxbury	Contract	.....	10 00	978 63	.....	988 63	Atherton street	4	1
Roxbury	Contract	.....	10 00	287 05	.....	297 05	Gannett street	2	
Roxbury	Contract	.....	10 00	.....	.....	10 00	Walnut avenue	1	
Roxbury	Contract	.....	.....	.....	72 40	72 40	Connections.		
		$327 78	$137 03	$2,771 56	$257 62	$3,493 99		18	1
City proper	Day labor	$849 16	.....	.....	.....	$849 16			
City proper	Contract	.....	$15 00	$268 51	$14 00	297 51	Sudbury street	.....	1
City proper	Contract	.....	20 00	507 26	38 75	566 01	Friend street	.....	1

* Cost not complete.

Sewerage Works Loan.— *Continued.*

District.	Built by	Built in 1916.	Built in 1917.			Total Expenditure.	Location.	Number Catch-basins Built.	Number Catch-basins Rebuilt.
		Materials, etc.	Labor.	Contractor.	Material and Teaming.				
City proper	Contract		$10 00	$722 89	$43 60	$776 49	574 Commercial street		1
City proper	Contract		10 00	402 39	20 61	433 00	Nashua street		1
City proper	Contract		25 00	619 34	14 00	658 34	Post Office square, west side	1	
City proper	Day labor		102 95		88 02	190 97	Essex street		1
City proper	Day labor		432 30		320 27	752 57	Beach street		4
City proper	Day labor		58 72		16 25	74 97	694 Washington street, track inlet	1	
City proper	Day labor		72 15		107 44	179 59	Northampton street		1
City proper	Day labor		559 65		534 58	1,094 23	Minot street Billerica street Lowell street		1 1 6
City proper	Contract		20 00	107 28		127 28	Commercial street at Union Wharf		1
City proper	Day labor		20 00	392 43	32 10	444 53	136 Leverett street		1
City proper	Contract		20 00	366 64	32 10	418 74	67 Lowell street		1
City proper	Contract		10 00	333 03	21 00	364 03	136 State street		1
City proper	Contract		10 00	366 73		376 73	20 Post Office square *	1	
City proper	Contract		10 00	441 45	32 60	484 05	Norman street at Merrimac street		1
City proper	Contract		10 00	373 79		383 79	South Market street *		1

City proper	Contract		10 00	423 21	32 60	465 81	Portland street, west side	1
City proper	Contract		10 00	261 50		271 50	Norman street, north side *	1
City proper	Contract		10 00	426 96	19 00	455 96	Congress street	1
City proper	Contract		15 00	367 20	14 50	396 70	Broad street	1
City proper	Contract		10 00	283 10		293 10	134 Leverett street *	1
City proper	Contract		10 00	354 52		364 52	30 Leverett street *	1
City proper	Day labor		73 75		52 04	125 79	Canal street, track inlets	2
City proper	Day labor		118 89		119 47	238 36	Wall street	3
City proper	Day labor		76 05		98 05	174 10	Kneeland street	1
City proper	Day labor		91 95		78 05	170 00	Washington street at Cobb street	1
City proper	Day labor		264 41		164 40	428 81	Kilby street	1
City proper	Day labor		139 38		186 19	325 57	231 State street	1
City proper	Day labor		841 79		640 25	1,482 04	Nashua street	2
City proper	Day labor		132 13		139 17	271 30	Albany street	1
City proper	Contract		53 01		35 48	88 49	Bedford street	1
City proper	Day labor		323 04		110 00	433 04	Atlantic avenue at Hecht's Wharf	1
City proper	Day labor		98 40		80 85	179 25	Utica street	1
City proper	Day labor		1,435 79		528 65	1,964 44	Beacon street	2 7
City proper	Day labor		22 08		42 72	64 80	Irvington street	1
City proper	Day labor		381 29		113 10	494 39	135 Atlantic avenue	1
City proper	Day labor		401 18		163 70	564 88	North Russell street	3
City proper	Day labor		85 75		75 35	161 10	Fruit street	2

* Cost not complete.

Sewerage Works Loan.—*Concluded.*

District.	Built by	Built in 1916.	Built in 1917.			Total Expenditure.	Location.	Number Catch-basins Built.	Number Catch-basins Rebuilt.
		Materials, etc.	Labor.	Contractor.	Material and Teaming.				
City proper	Day labor		$176 16		$40 00	$216 16	Blossom street	2	
City proper	Day labor		100 33		37 00	137 33	Union street		1
City proper	Day labor		319 25		69 50	388 75	South Market street		2
City proper	Day labor		290 50		65 00	355 50	Charles street	2	
City proper	Day labor		126 43		37 85	164 28	North street		1
City proper	Day labor		83 02			83 02	Canal street.		
City proper	Day labor		87 95		11 85	99 80	Hollis street		1
City proper	Day labor		432 40		37 85	470 25	Mercantile street		1
City proper	Day labor		1,085 83			1,085 83	Brookline avenue *	1	1
City proper	Day labor		358 00		31 35	389 35	Clinton street		1
City proper	Contract		20 00	$324 48		344 48	Congress street*		1
City proper	Contract		20 00	250 35		270 35	Pearl street		1
City proper	Contract		20 00	250 09		270 09	Franklin street *		1
City proper	Contract		20 00	243 72		263 72	Beverly street *		1
City proper	Contract		15 00	392 79		407 79	Dartmouth street *	1	
City proper	Contract		20 00	604 70		624 70	Oneida street *		2

City proper	Contract	.....	15 00	254 94	.....	269 94	Traverse street *	.....	1
City proper	Contract	.....	15 00	302 49	.....	317 49	Franklin street *	.....	1
City proper	Contract	.....	19 65	107 86	.....	127 51	Arch street *	.....	1
City proper	Contract	.....	509 84	908 43	508 89	1,927 16	Connections.		
		$849 16	$5,744 02	$10,658 08	$4,848 18	$26,099 44		15	67
							Track inlets	3	
Grand totals		$2,457 44	$21,319 82	$25,935 92	$11,128 20	$60,841 38			

* Cost not complete.

New Catch-basins Paid for, February 1, 1917, to January 31, 1918. (Included in Other Sewer Construction.)

District.	Built by	Contractor.	Materials.	Labor.	Materials and Teaming.	Total Expenditure.	Location.	Number.
South Boston	Contract	$1,018 18	$605 90			$1,624 08	Ralston street	13
South Boston	Contract	110 22	67 80			178 02	Woodward street	1
East Boston	Contract	180 00				180 00	Faywood avenue *	3
Dorchester	Contract	280 15	116 40			396 55	Washington street	4
Dorchester	Contract	633 70	253 38			887 08	Dacia street †	1
Dorchester	Contract	1,173 95	300 00			1,473 95	Wilmington avenue Santuit street Codman street Pearl street	4 2 1 2
Dorchester	Contract	1,949 94	707 40			2,657 34	Norfolk street.	19
Dorchester	Contract	3,091 52				3,091 52	Codman street Pleasant street Park street Neponset avenue Savin Hill avenue * Greenwood street Ellet street Leedsville street Tovar street Faulkner street Beach street	2 4 1 1 1 1 1 1 2 1 2
Dorchester	Contract	242 92	118 50			361 42	East Cottage street	2

Hyde Park	Contract	1,123 94	556 06			1,680 00	Hyde Park avenue	8
							Dana avenue	4
							Folsom street	2
Roxbury	Contract	145 28	135 60			280 88	Moreland street	2
Roxbury	Day labor			$71 00	$116 40	187 40	Connolly street	2
City proper	Contract	1,706 28				1,706 28	Atlantic avenue*	10
South Boston	Contract						Marine road	1
							Ticknor street	1
							Columbia road	1
							Carpenter street	1
West Roxbury	Contract						Cheshire street	1
							Green street	2
							Brown avenue	1
							Chocorua street	1
							Centre street	2
							Louder's lane	3
							Gardner street	3
							Paul Gore street	2
							Morton street	2
							South street	2
							Vermont street	1
							Walk Hill street	1
							Sycamore street	1
Dorchester	Contract						Adams street	6
							Dorchester avenue	1
							Richmond street	1
							Freeport street	1
							Olney street	1
							Holden street	2
							Monadnock street	3
							Dudley street	1
							Granite avenue	1
							Radford lane	2
Hyde Park	Contract	16,718 38				16,718 38	Hillside street	1
							Pierce street*	2

*Cost not complete.

† This includes cost of contractor and materials on five basins built in 1916.

New Catch-basins Paid for, February 1, 1917, to January 31, 1918. (Included in Other Sewer Construction.)— *Concluded.*

District.	Built by	Contractor.	Materials.	Labor.	Materials and Teaming.	Total Expenditure.	Location.	Number.
Roxbury	Contract						Brookline avenue	7
							Boylston street	11
							Terrace street	2
							Sewall street	2
							Tremont street	2
							Burney street	1
							Carmel street	2
							Gore street	1
							Alleghany street	1
							Oscar street	1
							Parker street	4
							Delle avenue	1
							Hillside street	3
							New Heath street	2
							Burlington avenue	6
							Queensberry street	10
							Jersey street	3
							Peterborough street	2
City proper	Contract						Dundee street	1
							St. Germain street	3
		$28,374 46	$2,861 04	$71 00	$116 40	$31,422 90		208

Recapitulation.

	Amount Paid.
142 catch-basins built 81 catch-basins rebuilt	$60,841 38 *
208 catch-basins built, included in other sewer construction	31,422 90
431	$92,264 28

* Includes 7 track inlets and two tide-gate chambers.

Separate Systems of Drainage.

Expenditures February 1, 1917, to January 31, 1918.

ACCOUNTS.	Labor.	Teaming.	Materials.	Miscellaneous.	Paid to Contractors.	Totals.
Engineers' salaries	$41,111 88	.....	.....	.....	.....	$41,111 88
Engineers' expense	1,095 61	$374 00	.....	$1,287 44	$2,278 20	5,035 25
Sundries	892 90	.....	$188 74	141 63	620 34	1,843 61
Land-takings and court executions	.....	.....	.....	1,509 44	.....	1,509 44
Sewers built in entire city	47,021 88	654 67	12,124 46	2,526 03	302,025 42	364,352 46
Totals	$90,122 27	$1,028 67	$12,313 20	$5,464 54	$304,923 96	$413,852 64

SEPARATE SYSTEMS OF DRAINAGE EXPENDITURES FOR 1917 AND 1918.

BRIGHTON.

Lothrop, Portsmouth and Waverly streets	$790 56
Lanark road, from Kilsyth road to Colliston road,	834 47
Hunnewell avenue, from Champney street to Richards street	307 31
Cufflin street, from Nonantum street to Tremont street	92 15
Turner street, from Faneuil street to Washington street	5,199 51
Academy Hill road, from Chestnut Hill avenue to William Jackson avenue William Jackson avenue, from Chestnut Hill avenue to Academy Hill road	10,006 50
Washington street, from Nonantum road to Breck avenue Breck avenue, from Washington street to Langley road Langley road, from Breck avenue to 600 feet east	4,044 41
North Beacon street, from Market street to Cambridge street	31,172 17
Waldo terrace, from Henshaw street to Washington street	2,285 52
Telford street, from Soldiers Field to Western avenue Charles River Reservation, from Charles river to Telford street	745 48
Parkland street, from Academy Hill road to Winship street Academy Hill road, from Washington street to 450 feet south	3,270 15
Chestnut Hill avenue, from Chiswick road to South street	5,069 03
Shepard brook, easterly branch at Seattle street, Shepard brook, from Western avenue to North Harvard street	2,936 82
Griggs street, from Brainerd road to Commonwealth avenue Bellvista road, from Allston street to Brookline line	2,533 29
Carried forward	$69,287 37

Brought forward	$69,287 37
Park Vale avenue, from Glenville avenue to Brighton avenue	2,423 42
Justin road, from Bigelow street to Atkins street,	925 06
Holton street, from Everett street to Antwerp street	4,111 19
	$76,747 04

Built 16,149.19 linear feet, 100 manholes, 79 catch-basins.

WEST ROXBURY.

Rowe street and outlet	$100 00
Pleasant, Dent, Ivory and Perham streets	453 67
Woodman, Custer, Ballard, Bardwell, Hathaway, Centre and Aldworth streets and Dunster road,	2,559 19
Perham, Winslow, Vermont and Alder streets, private land Land of the City of Boston	2,694 60
La Grange street, from Linnet street to Shaw street	199 29
Richwood, Willow and Centre streets and private land	54,134 08
Auburn street, from Roslindale avenue to Bellevue avenue	60 16
Moraine street, from Centre street to Pond street Halifax street, from South Huntington avenue to Ashcroft street	244 15
Elmwood Street brook, in private land and New Haven avenue, from New York, New Haven & Hartford Railroad to North avenue	6,289 35
Kenton road, from Washington street to 835 feet southeasterly	10,353 62
Lorne street, from Harvard avenue to 650 feet northwesterly	2,694 98
Minton street, from Amory street to Brookside avenue	2,915 99
Clarendon park, south side, from Poplar street to 475 feet southwest	1,814 64
Lanesville terrace, from Washington street to Stony brook	2,630 03
Spring Street brook conduit Landseer street, from Centre street to La Grange street Private land, from La Grange street to Landseer street and west of Landseer street La Grange street, from 160 feet northwest of Sturgis road to 60 feet northwest	21,644 88
Carried forward	$108,788 63

Brought forward	$108,788 63
Caledonian avenue, from Spring street to Hamilton street	9,966 91
Bexley road, from Florence street to Washington street	4,341 95
Malverna road, from Metropolitan avenue to Ethel street	3,071 04
Belgrade avenue, from Anawan avenue to Centre street Beech street, from West Roxbury Parkway to Belgrade avenue	214 30
Beech street, from West Roxbury Parkway to Belgrade avenue	2,563 22
Poplar street, from Dale street to Metropolitan avenue	1,889 37
	$130,835 42

Built 13,559.71 linear feet, 90 manholes, 34 catch-basins.

DORCHESTER.

New England avenue and Bernard street, from 215 feet south of Talbot avenue to Norfolk street	$2,439 80
Stratton street, from Lyford street to Lucerne street	3,668 55
Blue Hill avenue, from Deering road to Goodale road	1,818 77
Goodale road, from Blue Hill avenue to Wellington Hill street	2,965 15
Irma street, from Callender street to Woodrow avenue	4 60
	$10,896 87

Built 2,057.82 linear feet, 12 manholes, 12 catch-basins.

HYDE PARK.

Gordon avenue, from Beaver street to 600 feet northwesterly	$5,089 74
Hyde Park avenue, from Metropolitan avenue to River street Metropolitan avenue, from Hyde Park avenue to 100 feet west Passageway opposite Winthrop street, from Hyde Park avenue to Providence street Providence street, from passageway about 225 feet north	57,627 61
	$62,717 35

Built 14,168.55 linear feet, 68 manholes, 65 catch-basins.

ROXBURY.

Tremont entrance, from Louis Prang street to 565 feet southwest	$70 00
Amory street, from Centre street to Bragdon street	2,549 38
Holworthy street, from Walnut avenue to Harold street	167 79
Harold street, from Holworthy street to Townsend street Holworthy street, from Harold street to about 556 feet southeast	1,090 80
Alley 914, from Jersey street to Queensberry street	1,264 73
Deerfield street at Back street	7,878 58
Burlington avenue, from Brookline avenue to Boston & Albany Railroad	2,402 50
Overland street, from Brookline avenue to Boston & Albany Railroad Museum road, from Huntington avenue to Fenway	7,225 98
Linden Park street and Roxbury street, from Cabot street to Kent street	1,225 22
Gainsborough street, from St. Botolph street to New York, New Haven & Hartford Railroad	882 79
Public Alley 821, from Gainsborough street to Public Alley 820 Public Alley 820, from Huntington avenue to St. Botolph street	13,895 72
Public Alley 818, from Public Alley 819 to 200 feet east Public Alley 819, from Westland avenue to Public Alley 818	561 89
	$39,215 38

Built 2,614.52 linear feet, 16 manholes, 16 catchbasins.

CITY PROPER.

Fruit street, from Charles street to Blossom street Blossom street, from Fruit street to Allen street North Grove street, from Parkman street to Cambridge street	$15,523 03
Back street, from Hereford street to Fairfield street,	20,017 82
Berkeley street, from Columbus avenue to Boston & Albany Railroad	8,237 58
Revere street, from Irving street to Garden street,	1,637 73
	$45,416 16

Built 4,231.35 linear feet, 15 manholes, 21 catchbasins.

Separate Systems of Drainage.

Engineers' salaries, general	$41,111 88
Amount charged to construction of sewers	14,506 00
	$55,617 88

ENGINEERS' EXPENSE.

Labor	$1,095 61
Teaming	374 00
Borings	1,798 81
Car fares	805 46
Photos	290 40
Supplies	133 57
Emergency work	537 40
	$5,035 25

Court Executions and Awards on Account of Land-takings, etc.

Mary E. Dolan, Street Commissioners' award, Stony brook, section 9, Washington street	$25 00
William L. Dolan, Street Commissioners' award, Stony brook, section 8, Washington street	360 00
Hannah Maguire *et al.*, court execution, 3811 Washington street	900 00
J. F. Mann, court execution, Dent street	224 44
	$1,509 44

SUNDRIES.

Labor and inspection	$892 90
Ironwork	188 74
Emergency work	620 34
Advertising	4 50
Car fares	1 80
Cleaning up dirt and rock	80 33
Investigating and appraising	55 00
	$1,843 61

New Catch-basins Paid for, February 1, 1917, to January 31, 1918. (Included in Other Sewer Construction.)

District.	Built by	Built in 1917.				Total Expenditures.	Location.	Number.
		Contractor.	Materials.	Labor.	Materials and Teaming.			
New catch-basins, Brighton	Contract	$612 87	$196 60			$809 47	Academy Hill road	5
New catch-basins, Brighton	Contract	360 11	147 90			508 01	William Jackson avenue	3
New catch-basins, Brighton	Contract	523 70	380 45			904 15	Turner street	8
New catch-basins, Brighton	Contract	507 17	282 63			789 80	Washington street Breck avenue Langley road	1 2 4
New catch-basins, Brighton	Contract	228 60	155 75			384 35	Waldo terrace	3
New catch-basins, Brighton	Contract	1,805 10				1,805 10	North Beacon street *	27
New catch-basins, Brighton	Contract	373 54	144 20			517 74	Parkland street	4
New catch-basins, Brighton	Contract	292 25	115 30			407 55	Academy Hill road	3
New catch-basins, Brighton	Contract	798 48	499 45			1,297 93	Bellvista road	9
New catch-basins, Brighton	Contract	522 63	411 25			933 88	Holton street	7
New catch-basins, Brighton	Contract	287 49	149 27			436 76	Parkvale avenue	3
New catch-basins, West Roxbury	Contract	333 52	215 00			548 52	Kenton road	5

* Cost not complete.

New Catch-basins Paid for, February 1, 1917, to January 31, 1918.—*Concluded.*

District.	Built by	Built in 1917.				Total Expenditures.	Location.	Number.
		Contractor.	Materials.	Labor.	Materials and Teaming.			
New catch-basins, West Roxbury	Contract	$355 88	$137 52			$493 40	Lorne street	4
New catch-basins, West Roxbury	Contract	170 23				170 23	La Grange street *	2
New catch-basins, West Roxbury	Contract	471 30	283 65			754 95	Bexley road	6
New catch-basins, West Roxbury	Contract	664 41				664 41	Centre street *	8
New catch-basins, West Roxbury	Contract	179 68				179 68	Caledonian avenue *	4
New catch-basins, West Roxbury	Contract	309 71	225 00			534 71	Minton street	4
New catch-basins, West Roxbury	Day labor			$143 00	$80 90	223 90	Malverna road	1
New catch-basins, Dorchester	Contract	629 36	249 94			879 30	Stratton street	6
New catch-basins, Dorchester	Contract	127 55	53 65			181 20	Blue Hill avenue	1
New catch-basins, Dorchester	Contract	340 75	324 80			665 55	Goodale road	5
New catch-basins, Hyde Park	Contract	815 05	255 95			1,071 00	Gordon avenue	6
New catch-basins, Hyde Park	Contract	5,174 00				5,174 00	Hyde Park avenue *	59
New catch-basins, Roxbury	Contract	485 12	251 50			736 62	Overland street	5
New catch-basins, Roxbury	Contract	513 01	288 60			801 61	Museum road	6
New catch-basins, Roxbury	Contract	71 05	46 66			117 71	Linden Park and Roxbury streets	1

New catch-basins, Roxbury	Contract	566 37	144 20			710 57	Public Alley 820	1
							Public Alley 821	2
							St. Botolph street	1
New catch-basins, city proper	Contract	931 80	316 75			1,248 55	Fruit street	1
							Blossom street	4
							North Grove street	1
New catch-basins, city proper	Contract	925 83	54 60			980 43	Back street	6
New catch-basins, city proper	Contract	830 94	334 21			1,165 15	Berkeley street	9
Totals		$20,207 50	$5,664 83	$143 00	$80 90	$26,096 23		227

* Cost not complete.

Two hundred and twenty-seven catch-basins built, included in other sewer construction, $26,096.23.

ENTRANCE FEES, PERMITS AND ASSESSMENTS.

Entrance fees to the amount of $2,065.66 have been deposited with the City Collector for collection from estates upon which no sewer assessment was ever paid, in accordance with the Ordinances of 1910, chapter 9, section 10.

Bills for sewer assessments amounting to $1,671.22 have been deposited for collection, representing those estates under chapter 456 of 1889, and other acts, which have been connected during the year with the sewers for which they were assessed.

Two thousand and thirty-nine (2,039) permits have been issued, viz., 507 to district foremen, 475 to contractors and 1,057 to licensed drainlayers, for repairing or laying house drains. The work done under these permits has been inspected and a record of the same made on the plans of the Sewer Service, in accordance with the Ordinances of 1910, chapter 9.

Plans for the assessment of estates for sewer construction have been furnished the Street Commissioners, representing 71,949.54 feet of sewers and appurtenances, costing $421,719.73.

Summary of Sewer Construction for the Year Ending January 31, 1918.

DISTRICTS.	Built by the City by Contract or Day Labor.	Built by Private Parties.	TOTAL LENGTH BUILT.	
	Linear Feet.	*Linear Feet.*	*Linear Feet.*	*Miles.*
City proper	8,901.95	.....	8,901.95	1.686
Roxbury	1,272.25	.....	1,272.25	0.240
South Boston	4,922.75	3,678.00	8,600.75	1.629
East Boston	2,872.88	.....	2,872.88	0.544
Charlestown	329.63	11.90	341.53	0.065
Brighton	15,899.34	.....	15,899.34	3.011
West Roxbury	15,341.41	.....	15,341.41	2.906
Dorchester	13,133.28	328.00	13,461.28	2.550
Hyde Park	15,154.97	138.00	18,292.97	3.460
Totals	80,828.46	4,155.90	84,984.36	16.091

Cost of Maintaining all Horses in the Sewer Service from February 1, 1917, to January 31, 1918.

ITEMS.	Total Cost.	20 Horses, Average Cost per Day.
Labor	$8,117 36	$0 767
Hay and grain	7,115 34	671
Shoeing	1,606 39	151
Veterinary services, medicine and clipping	339 25	032
Stable goods	189 10	0178
	$17,367 44	$1 638

Schedule of Sewers Built to February 1, 1918, in the City of Boston.

DISTRICT.	Length of Sewers Built During the Year Ending January 31, 1918.	Length of Sewers Rebuilt or Abandoned During the Year Ending January 31, 1918.	Additional Lengths of Sewers for the Year Ending January 31, 1918.	
	Linear Feet.	*Linear Feet.*	*Linear Feet.*	*Miles.*
City proper	8,901.95	1,455.89	7,446.06	1.410
Roxbury	1,272.25	333.25	939.00	0.178
South Boston	8,600.75	998.00	7,602.75	1.440
East Boston	2,872.88	1,517.89	1,354.99	0.257
Charlestown	341.53	155.90	185.63	0.035
Brighton	15,899.34	139.25	15,760.09	2.985
West Roxbury	15,341.41	1,585.94	13,755.47	2.605
Dorchester	13,461.28	2,332.73	11,128.55	2.107
Hyde Park	18,292.97	621.71	17,671.26	3.347
Totals	84,984.36	9,140.56	75,843.80	14.364

Total Lengths Built.	*Miles.*
Common sewers and surface drains built previous to January 31, 1917	909.98
Common sewers and surface drains built between February 1, 1917, and January 31, 1918	14.36
Total common sewers and surface drains built to January 31, 1918	924.34
Intercepting sewers connecting with metropolitan system built to January 31, 1918	* 6.81
Boston main drainage intercepting sewers to January 31, 1918	* 24.12
Grand total of common and intercepting sewers to January 31, 1918	955.27
Total mileage of streets containing sewerage works	573.49

* No additions built during 1917.

Summary of Sewer Construction for Five Years Previous to February 1, 1918.

	1913.	1914.	1915.	1916.	1917.
	Linear Feet.	*Linear Feet.*	*Linear Feet.*	*Linear Feet.*	*Linear Feet.*
Built by the city by contract or day labor	119,697.60	125,768.31	123,717.66	91,421.56	80,828.46
Private parties	19,470.82	14,810.40	19,009.86	11,113.54	4,155.90
Totals	139,168.42	140,578.71	142,727.52	102,535.10	84,984.36

COST OF PUMPING.

Average cost per million foot-gallons for pumping: Volume (34,000.13 million gallons) by (= times) lift (39.3 feet) = 1,336,205.1 million foot-gallons for the year.

Labor cost included in the totals is based upon the following force of 49 men:

One superintendent, one chief engineer, one clerk, one storekeeper, one electrician, one carpenter, one blacksmith, two machinists, four laborers, and four "engineer's watches," each including nine men.

Cost of city water not included.

ITEMS.	Cost.	Cost per Million Foot-Gallons.
Labor	$54,756 13	$0 04098
Coal	51,465 52	0 03852
Oil and waste	2,361 76	0 00177
Rubber valves and packing	1,998 65	0 00149
Miscellaneous supplies and renewals	8,581 58	0 00642
Totals	$119,163 64	$0 08918
Labor at screens	$5,475 00	$0 00410

Table of Approximate Quantities, Lifts and Duties at Calf Pasture Pumping Station.

MONTH.	Total Pumpage. Gallons.	Average per Day. Gallons.	Minimum Day. Gallons.	Maximum Day. Gallons.	Average Lift. Feet.	Average Duty, Foot-Pounds per 100 Pounds of Coal.
1917.						
February.....	2,560,401,943	91,442,927	73,531,663	128,387,407	39.4	82,200,000
March.....	3,332,367,314	107,495,720	68,516,842	172,307,112	39.4	76,300,000
April.....	2,537,306,077	84,576,869	63,310,514	133,791,204	39.3	82,200,000
May.....	2,785,471,191	89,853,909	69,587,150	156,178,330	39.3	83,500,000
June.....	2,895,477,617	96,512,587	75,157,193	152,110,090	39.3	84,100,000
July.....	2,536,070,184	81,808,712	67,608,396	105,675,934	39.3	79,100,000
August.....	2,900,710,726	93,571,314	71,346,780	165,662,346	39.3	79,300,000
September.....	2,726,089,901	90,869,663	70,428,261	167,950,709	39.3	67,600,000
October.....	2,959,129,591	94,455,793	69,713,676	135,236,778	39.3	71,200,000
November.....	2,747,104,979	91,570,166	70,469,035	121,852,962	39.4	72,000,000
December.....	2,960,690,067	95,312,583	76,157,987	165,453,043	39.4	80,000,000
1918.						
January.....	3,059,307,058	98,687,099	60,163,770	155,156,999	39.3	92,700,000
Totals.....	34,000,126,648	1,116,157,342				
Averages.....	93,151,032	93,013,112	69,665,939	146,646,910	39.3	79,200,000

Amount of Sludge Received and Removed from Deposit Sewers from February 1, 1917, to January 31, 1918, Inclusive.

MONTH.	Cubic Yards Received.	Cubic Yards Removed.	
1917.			
February	14	.....	Sludge in sewers February 1, 1917, 3,455 cubic yards.
March	63	255	
April	26	170	
May	367	85	
June	67*	170	
July	172	170	
August	205	170	
September	305	170	
October	160	85	
November	180	85	
December	170	85	
1918.			
January	85	.....	Sludge in sewers February 1, 1918, 3,690 cubic yards.
Totals	1,680	1,445	

* Decrease.

Amount of Refuse Removed from Gatehouse from February 1, 1917, to January 31, 1918, Inclusive.

MONTH.	
1917.	
February	254 cheeses or 28 tons, 642 pounds.
March	274 cheeses or 30 tons, 1,102 pounds.
April	260 cheeses or 28 tons, 1,980 pounds.
May	286 cheeses or 31 tons, 1,778 pounds.
June	269 cheeses or 29 tons, 1,987 pounds.
July	265 cheeses or 29 tons, 1,095 pounds.
August	279 cheeses or 31 tons, 217 pounds.
September	229 cheeses or 25 tons, 1,067 pounds.
October	313 cheeses or 34 tons, 1,799 pounds.
November	262 cheeses or 29 tons, 1,987 pounds.
December	269 cheeses.
1918.	
January	139 cheeses or 15 tons, 1,997 pounds.
Totals	3,099 cheeses or 345 tons, 1,077 pounds.

NOTE.— Average, 223 pounds to a cheese. All burned in crematory; coal used, 48 tons.

WATER SERVICE.

FINANCIAL STATEMENT.

RECEIPTS.

Sales of water		$2,872,867 89
Elevator, fire, motor pipes and repairs		34,016 52
Service pipes and repairs		26,619 16
Labor, materials, tc., for miscellaneous work		8,634 34
Fees for summonses		4,597 63
Sales of old materials		2,268 10
Sales of merchandise		812 38
Interest on bank deposits		807 48
Shutting off and letting on water		664 00
Sale of old building and machinery		336 30
Rent of conduit, Congress street		200 00
Sales of gasolene		109 35
Extension of main pipes		70 00
Payment for damage to automobile		43 37
Testing meters		42 25
Refund of freight bill		2 87
Total receipts from all sources		$2,952,091 64
Transferred to city loan account to pay Hyde Park water debt	$16,000 00	
Transferred to credit of Collecting Department, Water Division	27,264 14	
Transferred to appropriation for service mains and relaying mains	35,000 00	
		78,264 14
		$2,873,827 50
Transferred from Reserve Fund to cover deficit		4,826 39
		$2,878,653 89

EXPENDITURES.

Current expenses and extensions	$1,045,543 65
Interest on loans	80,494 28
Refunded water rates	611 20
Metropolitan water assessment	1,752,004 76
	$2,878,653 89

SERVICE MAINS AND RELAYING MAINS.

Balance appropriation February 1, 1917	$87,146 19	
Appropriated from revenue, November 19, 1917	35,000 00	
		$122,146 19
Expenditures during fiscal year 1917–18		97,058 88
Balance appropriation January 31, 1918		$25,087 31

Details of expenditures under appropriation for current expenses and extensions for the fiscal year ending January 31, 1918:

EXTENSION.			
New mains		$126,305 09	
Replacement of old mains		58,504 14	
New hydrants		8,366 27	
Total extension			$193,175 50
MAINTENANCE.			
Office and Engineering Branch:			
Salaries and wages	$41,411 55		
Traveling expenses	1,185 61		
Printing, stationery and postage	2,088 66		
Miscellaneous	756 09		
		$45,441 91	
Income Branch:			
Salaries and wages	$97,207 45		
Traveling expenses	906 09		
Printing, stationery and postage	3,951 08		
Miscellaneous	917 95		
		102,982 57	
Distribution Branch:			
Salaries and wages	$24,613 30		
Traveling expenses	239 69		
Printing, stationery and postage	916 32		
Miscellaneous	1,696 28		
		27,465 59	
Meter Branch:			
Salaries and wages	$10,505 78		
Traveling expenses	136 12		
New meters and setting	16,672 27		
Meters, repairing, resetting, testing, etc.	17,544 52		
Printing, stationery and postage	280 68		
Shop	12,021 25		
Investigations	897 75		
Holiday	2,969 67		
Laborers' vacations	1,631 72		
Guarding bridges	13,425 70		
Miscellaneous	326 80		
		76,412 26	
Waste Prevention Branch:			
Salaries and wages	$10,065 71		
Traveling expenses	343 35		
Printing, stationery and postage	43 59		
Miscellaneous	127 17		
		10,579 82	
Inspection of castings		3,785 78	
Damages		6,691 53	
Yards		49,581 03	
Shops		22,303 94	
Carried forward		$345,244 43	$193,175 50

Brought forward	$345,244 43	$193,175 50
Stables	29,459 09	
Tools and repairs	14,345 73	
Main pipe relocation	14,194 03	
Main pipe repairs	52,391 47	
Service pipe, new	53,475 40	
Service pipe, changes (size and location)	11,622 95	
Service pipe, repairs	61,106 92	
Hydrant changes (style and location)	20,007 13	
Hydrant repairs	41,409 35	
Water posts, new	107 41	
Water posts, changes (location)	41 25	
Water posts, repairs	312 31	
Fountains, new	606 95	
Fountain changes (style and location)	799 06	
Fountains, on account of ice	5,604 52	
Fountain repairs	1,959 30	
East Boston reservoir	19 73	
Holiday	29,183 36	
Automobiles	19,214 14	
Delivering water	22 62	
Investigations	9,962 04	
Shutting off and letting on water	20,129 19	
Accommodation work	1,172 62	
Work on account of Meter Branch (by Distribution Branch)	1,718 21	
Work on account of Income Branch (by Distribution Branch)	399 56	
Work on account of new meters (by Distribution Branch)	606 90	
Work on account of meter repairs (by Distribution Branch)	6,681 95	
Work on account of office and engineers (by Distribution Branch)	676 40	
Work on account of Waste Prevention Branch (by Distribution Branch)	346 53	
Repairs and supplies for launch "Water Witch"	423 47	
Repairs and supplies for motorcycle No. 106,	45 02	
Pensions paid to retired Civil War veterans	7,565 11	
Pensions paid to retired laborers	27,941 19	
Pay allowed injured employees	3,134 85	
Vacations allowed laborers, mechanics, etc.	11,131 95	
High service, East Boston	1,328 77	
Harbor service	12 24	
Medical inspection	166 66	
Veterinary services	250 00	
Pay allowed employees in war service	954 46	
Taxes	180 38	
Medical attendance on injured employees	14 00	
Total maintenance		795,968 65
Merchandise sold	$2,198 74	
Stock consigned to junk	3,617 42	
		5,816 16
Stock purchased	$296,641 92	
Less stock used and disposed of,	246,058 58	
		50,583 34
Total expenditures under appropriation for Current Expenses and Extensions		$1,045,543 65

Details of expenditures under appropriation for service mains and relaying mains for the year ending January 31, 1918. (From revenue.) Orders City Council, August 12, 1913, October 22, 1914, and November 19, 1917.

New mains	$72,035 03
Replacement of old mains	9,804 36
Relocation of mains	15,958 19
Repairs of mains	996 66
Service pipes, new	2,935 80
Service pipes, repairs	439 65
New hydrants	63 47
Hydrant changes	243 86
Hydrant repairs	234 02
Meter repairs	12 64
	$102,723 68
Less stock on hand January 31, 1917	5,664 80
	$97,058 88

Automobiles.

		New.	Registration Licenses, etc.	Tires and Tubes, New and Repaired.	Gasolene, Oils, Grease, etc.	Storage.	Repairs, Supplies, etc.	Chauffeurs' Wages.	Totals.
83.	Truck, emergency work	.....	$2 00	$481 74	$436 22	.....	$1,472 46	$4,382 00	$6,774 42
90.	Truck, plumber's	.....	2 00	260 58	153 96	.....	466 41	.....	882 95
96.	Truck, general work	.....	2 00	311 31	350 37	.....	713 46	1,095 50	2,472 64
98.	Truck, shut-off gang	.....	2 00	89 22	224 56	.....	273 33	1,095 50	1,684 61
99.	Truck, West Roxbury district	.....	4 00	116 36	108 57	$97 00	203 80	.....	529 73
100.	Roadster, engineer in charge	.....	12 00	160 64	201 87	.....	261 33	1,095 50	1,731 34
101.	Roadster *	.....	4 00	18 32	26 12	.....	31 78	.....	80 22
102.	Truck, general work	.....	2 00	311 08	225 85	.....	260 83	1,095 50	1,895 26
103.	Runabout, foreman, Dorchester district	.....	10 00	67 39	63 32	.....	133 91	.....	274 62
105.	Runabout, foreman, Brighton district	.....	11 00	99 09	137 06	27 00	171 19	.....	445 34
107.	Touring car, engineer, District 1	.....	10 00	127 30	163 38	.....	171 97	.....	472 65
108.	Truck, spare	.....	4 00	125 83	144 48	.....	159 94	.....	434 25
109.	Runabout, foreman, West Roxbury district	.....	12 00	52 68	125 93	97 00	62 33	.....	349 94
110.	Roadster, general foreman	.....	10 00	23 54	81 19	75	223 06	.....	338 54
111.	Truck, Dorchester district	.....	2 00	275 81	130 04	.....	148 21	1,095 50	1,651 56
112.	Truck, spare	.....	4 00	246 90	191 24	.....	243 09	.....	685 23
113.	Truck, meter branch	.....	2 75	211 60	166 62	.....	105 88	939 00	1,425 85
114.	Truck, meter branch	.....	2 75	106 69	183 11	.....	127 04	.....	419 59
115.	Truck, meter branch	$396 20	5 00	98 08	154 78	.....	76 82	.....	730 88
116.	Touring car, engineer, District 2	376 60	22 00	56 78	80 50	.....	55 10	.....	590 98
117.	Runabout, foreman, city proper, South Boston and Roxbury	263 70	18 00	88 75	124 37	.....	55 67	.....	550 49
118.	Truck, Hyde Park district	384 10	9 00	34 90	48 96	20 00	40 20	.....	537 16
119.	Runabout, engineer, meter branch	361 60	12 00	.....	27 08	.....	26 38	.....	427 06
120.	Truck, meter branch	409 20	8 45	20 73	34 32	.....	45 83	.....	518 53
121.	Truck, general work	1,440 35	3 00	51 76	71 13	.....	11 25	.....	1,577 49
	Garage labor and materials	.....	.....	.....	174 92	.....	2,702 12	.....	2,877 04
	Totals	$3,631 75	$175 95	$3,437 08	$3,829 95	$241 75	$8,243 39	$10,798 50	$30,358 37

* $100 allowed for this machine in trade for auto 117, May 28, 1917.

Comparative Table of Receipts and Expenditures.

Receipts.

	1912–13.	1913–14.	1914–15.	1915–16.	1916–17.	1917–18.
Sales of water	$2,906,569 76	$2,947,210 88	$2,923,719 09	$2,859,707 92	$3,037,974 66	$2,872,867 89
Other receipts	75,674 49	84,389 48	69,922 86	84,977 77	71,374 55	79,223 75
	$2,982,244 25	$3,031,600 36	$2,993,641 95	$2,944,685 69	$3,109,349 21	$2,952,091 64
Transfers by City Auditor	.....	.....	.....	.....	.....	* 4,826 39
	$2,982,244 25	$3,031,600 36	$2,993,641 95	$2,944,685 69	$3,109,349 21	$2,956,918 03
Balance, beginning of year	$64,521 97	$274,580 54	$340,819 49	$184,470 24	$135,014 40	$87,146 19
Balance, end of year	274,580 54	340,819 49	† 184,470 24	† 135,014 40	† 87,146 19	† 25,087 31
Transferred to Collecting Department	.....	.....	.....	24,500 00	25,774 00	27,264 14
Transferred to city loan account	4,434 20	17,000 00	355,650 26	259,046 70	407,823 86	16,000 00

Expenditures.

	1912–13.	1913–14.	1914–15.	1915–16.	1916–17.	1917–18.
Current expenses	‡ $835,072 00	$899,338 91	$894,170 14	$904,135 19	$917,823 64	$1,045,543 65
Service and relaying mains	.....	86,945 40	128,584 36	49,455 84	47,868 21	97,058 88
Metropolitan water assessment	1,792,123 83	1,842,127 65	1,676,038 11	1,665,006 20	1,669,432 79	1,752,004 76
Interest	137,875 37	118,673 48	94,615 02	91,259 22	87,866 59	80,494 28
Refunded water rates	2,680 28	1,275 97	933 31	738 38	628 33	611 20
	$2,767,751 48	$2,948,361 41	$2,794,340 94	$2,710,594 83	$2,723,619 56	$2,975,712 77

* Transfer from Reserve Fund. † Balance of appropriation for service mains and relaying mains.
‡ Amount expended for current expenses and extensions, there being one appropriation only.

COST OF CONSTRUCTION AND CONDITION OF WATER DEBT.

Cost of construction of waterworks to February 1, 1918		$17,568,904 72
Cost of construction of waterworks to February 1, 1917		17,274,932 37
Increase during the year		$293,972 35
Outstanding loans February 1, 1917, at 3½ per cent	$433,400 00	
Outstanding loans February 1, 1917, at 4 per cent	1,330,050 00	
		$1,763,450 00
Outstanding loans February 1, 1918, at 3½ per cent	$338,400 00	
Outstanding loans February 1, 1918, at 4 per cent	1,169,350 00	
		1,507,750 00
Decrease during the year		$255,700 00
The Water Sinking Fund February 1, 1917, was		$1,763,450 00
The Water Sinking Fund February 1, 1918, was		1,507,700 00
Decrease during the year		$255,700 00
Net Water Debt February 1, 1917		$384,000 00
Gross Water Debt February 1, 1918	$1,875,750 00	
Less Sinking Fund February 1, 1918	1,507,750 00	
Net Water Debt February 1, 1918		368,000 00
Decrease during the year		$16,000 00
Stock on hand February 1, 1918		$398,772 76
Stock on hand February 1, 1917		242,712 36
Increase during the year		$156,060 40
Cochituate Water Sinking Fund receipts, 1917–18:		
Interest on investments		$9,388 21
Interest on bank deposits		49,219 66
		$58,607 87
Cost of existing works on January 31, 1918:		
East Boston reservoir		$66,103 09
East Boston high service		24,173 26
Pipe yards and buildings		94,832 16
Engineering expenses		57,873 58
Distribution system (additions during year, $293,972.35),		16,857,922 63
Hyde Park waterworks		468,000 00
		$17,568,904 72

WASTE PREVENTION BRANCH.

The following tables give in detail the operations of this branch during the past year:

Table I.

Waste Prevention.

Premises examined	25,360
Special investigations	1,191
Waste reports	5,860
Re-examinations	5,696
Found repaired	4,933
Not repaired	763
Water shut off for waste	8

Table II.

Defective Fixtures and Waste.

Tank fixtures leaking	3,564
Faucets	2,457
Hopper cocks	30
Pipes inside	312
Pipes outside	94
Metered premises with leaks	1,006
Hydrants leaking	14
Wilful waste	34

INCOME BRANCH.

The following tables give in detail the operations of this branch during the past year:

Table I.

Statement of Water Rates January 31, 1918.

ACCOUNT OF YEAR.	Amount Assessed.	Amount Abated.	Amount Collected.	Balance Outstanding.
1903	$2,386,428 02	$58,080 51	$2,328,347 51	.....
1904	2,391,751 16	39,071 22	2,352,679 94	.....
1905	2,446,978 39	36,107 08	2,410,871 31	.....
1906	2,524,205 25	37,599 28	2,486,605 97	.....
1907	2,619,031 00	34,959 33	2,584,011 61	.....
1908	2,645,962 55	36,939 32	2,609,023 23	.....
1909	2,694,408 57	49,407 44	2,645,001 13	.....
1910	2,846,000 66	† 117,818 49	2,846,001 66	.....
1911	2,863,497 95	† 61,979 73	2,798,055 28	$3,462 94
1912	3,001,771 87	41,251 26	2,943,402 48	17,118 13
1913	3,004,256 87	37,213 39	2,954,173 62	12,869 86
1914	3,034,885 83	23,521 74	2,970,232 82	41,131 27
1915	2,960,797 45	15,006 24	2,902,753 96	43,037 25
1916	3,130,494 58	15,104 70	3,049,236 66	66,153 22
1917	3,111,302 88	11,167 10	2,713,545 08	386,590 70
1918	* 421,446 69	236 91	52,668 93	368,540 85

* Represents annual accounts only.
† Includes city department accounts abated by order of the Mayor.

Table II.

Abatements Allowed During 1917.

ON ACCOUNT OF YEAR.	Number of Abatements.	Amount Abated.
1903	1	$30 00
1904	9	780 30
1905	1	14 00
1908	11	389 34
1909	13	955 80
1910	1	3,616 77
1911	5	201 78
1913	1	8 00
1914	2	12 00
1915	4	35 16
1916	225	3,423 29
1917	1,169	10,656 77
Totals	1,442	$20,123 21

Table III.

Elevators.

Elevators, December 31, 1916	510
New elevators accepted during 1917	5
Elevators abandoned during 1917	3
Elevators in use and accounted for December 31, 1917	512

Table IV.

Fire Pipes.

Under supervision December 31, 1916	1,361
Fire pipes accepted during the year	161
Under supervision December 31, 1917	1,522
Fire pipe systems inspected during the year	4,102
Fire pipe valves inspected during the year	49,845
Fire pipe valves sealed during the year	7,100

Table V.

Motors.

Under supervision December 31, 1916	96
Discontinued during the year	.....
New motors accepted during the year	.....
Under supervision December 31, 1917	96
Motors on meter	22

Table VI.

Complaints and Water Turned Off and On.

Complaints, no force, stoppages, etc	.....	448
Water turned off and on:		
Repairs of services	5,642	
Vacancy	2,226	
First time	927	
Nonpayment	669	
Waste	2	
		9,466
Total	.....	9,914

Table VII.

Applications for New Pipes During the Year 1917.

Elevator services	.....
Fire pipes	167
Motor pipes	.....
Service pipes	.....

METER BRANCH.

The following tables give in detail the operations of this branch during the past year:

Table No. I.

Statement of Work Done During Year.

MAKE.	New Sets.	Discontinued.	CHANGED.		Tested.	Repaired in Shop.	Repaired in Service.	Remote.
			In.	Out.				
Hersey disc	1,215	1,806	3,726	3,916	9,035	4,639	398	214
Worthington disc	190	285	1,196	1,264	2,619	1,351	129	73
Crown	59	63	235	308	561	287	29	6
American	23	44	223	190	445	251	12	15
Hersey rotary	27	19	154	160	359	193	23	5
Nash	17	29	103	106	221	113	10	6
Lambert	13	19	47	55	123	60	9	5
Trident	8	7	44	40	70	40	1	2
Keystone	11	11	18	34	69	37	1	2
Empire	2	8	.....	3	3	2	1	.....
Worthington	.....	1	.....	20	13	.....	1	.....
Gem	.....	.....	1	3	.....	.....	1	.....
Hersey detector	5	.....	2	2	.....	.....	18	1
Metropolitan	.....	1	.....	3	4	.....	.....	.....
Standard	.....	.....	.....	1	.....	.....	.....	.....
King	101	23	378	22	650	1	3	8
Totals	1,671	2,376	6,127	6,127	14,172	6,974	636	337

Table No. II.

Meters in Stock February 1, 1918.

MAKE.	DIAMETER IN INCHES.										Totals.
	⅝	¾	1	1½	2	3	4	6	8	10	
Hersey disc	1,781	94	24	14	....	2	....	....	....	....	1,915
Worthington disc	335	.....	.....	....	2	....	....	....	....	....	337
Crown	238	112	46	20	21	9	2	3	....	....	451
American	53	24	.....	....	....	....	....	....	....	....	77
Hersey rotary	90	51	16	23	8	4	....	2	....	....	194
Nash	53	18	4	11	4	1	....	....	....	....	91
Lambert	32	13	4	....	....	....	1	....	....	....	50
Trident	17	.....	1	....	....	....	....	....	....	....	18
Keystone	40	3	1	....	2	2	....	1	....	....	49
Empire	19	1	3	1	....	....	....	....	....	....	24
Gem	.....	.....	.....	....	2	4	5	4	....	....	15
Hersey detector	.....	.....	.....	....	....	....	....	2	1	....	3
Standard	5	.....	.....	1	....	....	....	....	....	....	6
King	145	.....	112	....	....	....	....	....	....	....	257
Hersey torrent	.....	.....	.....	....	....	....	....	1	....	....	1
Worthington	.....	1	.....	....	....	....	....	....	....	....	1
Totals	2,808	317	211	70	39	22	8	13	1	....	3,489

Table No. III.

Meters in Service February 1, 1918.

MAKE.	DIAMETER IN INCHES.												Totals.
	⅝	¾	1	1¼	1½	2	3	4	6	8	10	12	
Hersey disc	43,194	2,833	1,423	1	703	257	124	32	1	...	...	...	48,568
Hersey rotary	294	307	254	...	152	145	52	27	11	...	...	...	1,242
Hersey detector	.....	.....	.....	...	.....	....	3	13	20	10	3	1	50
Crown	812	408	353	...	193	173	84	54	12	...	...	...	2,089
Nash	435	226	136	...	34	35	2	....	...	...	...	...	868
Lambert	302	105	70	...	14	18	....	3	...	...	...	...	512
Trident	180	4	3	...	4	5	....	....	1	...	...	...	197
Worthington	1	14	40	...	9	12	2	2	...	...	...	...	80
Worthington disc	6,499	38	6	...	.....	17	....	....	...	...	...	...	6,560
Keystone	143	82	21	...	2	1	7	....	1	...	...	...	257
Metropolitan	.....	16	2	...	.....	....	....	....	...	...	...	...	18
American	980	474	.....	...	.....	....	....	....	...	...	...	...	1,460
Worthington turbine	.....	.....	.....	...	.....	....	....	1	...	...	...	...	1
Emp-re	120	2	2	...	6	....	....	....	...	...	...	...	130
Gem	.....	.....	.....	...	.....	1	....	2	5	...	...	...	8
Standard	6	.....	.....	...	.....	....	....	....	...	...	...	...	6
B. W. W	.....	1	.....	...	.....	....	....	....	...	...	...	...	1
Thomson	6	2	.....	...	.....	....	....	....	...	...	...	...	8
Union	2	1	.....	...	.....	....	....	....	...	...	...	...	3
Gamon	1	.....	.....	...	.....	....	....	....	...	...	...	...	1
Hersey compound	.....	.....	.....	...	.....	....	....	....	2	...	...	...	2
King	373	.....	88	...	.....	....	....	....	2	...	...	...	461
Totals *	53,354	4,513	2,398	1	1,117	664	274	134	53	10	3	1	62,522

* Including 1,732 ⅝-in., 70 ¾-in., 9 1-in., 4 1½-in., 4 2-in., total, 1,819, temporarily discontinued account of frost.

Table No. IV.

Meters Purchased.

MAKE.	DIAMETER IN INCHES.						TOTALS.
	¾	1	4	6	8	10	
King	500	200	....	....	....	....	700
Hersey detector	.....	.....	....	1	1	3	5
Hersey disc	.....	.....	1	....	....	....	1
Totals	500	200	1	1	1	3	706

Table No. V.

Meters Condemned.

MAKE.	DIAMETER IN INCHES.								TOTALS.
	¾	¾	1	1½	2	3	4	6	
Hersey disc	61	1	....	....	1	....	....	....	63
Hersey rotary	13	2	....	....	2	1	....	1	19
American	1	2	....	....	....	....	....	....	3
Keystone	.....	1	....	....	....	....	....	....	1
Lambert	3	1	..	....	....	....	....	....	4
King	1	....	....	....	....	....	....	....	1
Worthington	.....	1	12	3	3	....	1	....	20
Worthington disc	5	4	....	....	....	....	....	....	9
Crown	42	7	3	5	2	3	....	....	62
Trident	1	....	1	..	....	....	....	....	2
Nash	2	1	....	....	....	....	....	....	3
Empire	1	....	....	....	....	....	....	....	1
Metropolitan	.....	4	....	....	....	....	....	....	4
Totals	130	24	16	8	8	4	1	1	192

Table No. VI.

Meters Repaired in Service.

MAKE.	CAUSES.							
	Glass Broken.	Clock Broken.	Cover Broken.	Spindle Leak.	Coupling Leak.	Relocated.	Miscellaneous.	Totals.
Hersey disc	18	51	....	178	120	2	29	398
Worthington disc	....	4	4	112	8	....	1	129
Crown	1	6	....	12	9	....	1	29
American	1	....	....	5	5	....	1	12
Hersey rotary	1	13	1	4	3	....	1	23
Nash	....	....	....	6	3	....	1	10
Lambert	....	....	....	9	....	....	....	9
Trident	....	1	....	....	....	....	....	1
Keystone	....	....	....	1	....	....	....	1
Empire	....	....	....	1	....	....	....	1
Worthington	....	1	....	....	....	....	....	1
Gem	1	....	....	....	....	....	....	1
Hersey detector	....	17	....	1	....	....	....	18
King	....	....	....	1	2	....	....	3
Totals	22	93	5	330	150	2	34	636

Table No. VII.

Meter Changes.

MAKE.	METERS IN. DIAMETER IN INCHES.										METERS OUT. DIAMETER IN INCHES.								
	¾	1	1½	2	3	4	6	10	Totals.	¾	1	1½	2	3	4	6	Totals.
Hersey disc	3,243	247	102	70	33	28	3	....	....	3,726	3,397	287	126	53	33	18	2	....	3,916
Worthington disc	1,184	8	.....	.....	4	....	....	....	....	1,196	1,249	10	.....	.....	5	....	....	....	1,264
Crown	106	45	30	17	20	6	6	5	....	235	137	56	49	21	20	14	7	4	308
American	157	66	.....	.....	....	....	....	....	....	223	134	56	.....	.....	....	....	....	....	190
Hersey rotary	19	71	18	18	18	....	7	3	....	154	57	36	24	15	17	2	4	5	160
Nash	59	26	9	2	7	....	....	....	....	103	54	24	13	9	6	....	....	....	106
Lambert	35	7	4	1	....	....	....	....	....	47	35	9	11	.....	....	....	....	....	55
Trident	39	3	1	.....	1	....	....	....	....	44	39	1	.....	.....	....	....	....	....	40
Keystone	13	4	.....	.....	....	....	....	1	....	18	25	7	2	.....	....	....	....	....	34
Empire	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	3
Worthington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	11	3	2	....	1	....	20
Gem	.....	.....	.....	.....	.....	.....	.....	1	....	1	.....	.....	.....	.....	.....	.....	1	2	3
Hersey detector	.....	.....	.....	.....	.....	.....	.....	....	2	2	.....	.....	.....	.....	.....	.....	.....	2	2
Metropolitan	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	.....	.....	3
Standard	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
King	340	.....	38	.....	.....	.....	.....	.....	.....	378	18	.....	4	.....	.....	.....	.....	.....	22
Totals	5,195	477	202	108	83	34	16	10	2	6,127	5,149	492	240	101	83	34	15	13	6,127

Table No. VIII.

Causes for Which Meters Were Changed.

MAKE.	Test.	Not Registering.	No Force.	Stoppage.	Enlarged.	Spindle Leak.	Coupling Leak.	Frost	Set Backwards.	Relocated.	Clock Defaced or Broken.	Leak at Flange.	Miscellaneous.	Totals.
Hersey disc	389	1,111	82	14	14	129	37	1,601	38	7	352	94	48	3,916
Worthington disc	53	520	12	...	1	149	6	410	7	4	34	46	22	1,264
Crown	45	132	10	1	2	6	1	49	3	...	49	4	6	308
American	22	76	5	...	1	6	1	53	5	...	19	2	...	190
Hersey rotary	25	80	2	...	1	4	...	32	1	1	12	1	1	160
Nash	8	38	3	...	...	14	1	26	3	...	9	2	2	106
Lambert	8	13	2	...	...	8	2	12	...	...	6	2	2	55
Trident	2	15	....	...	...	....	1	16	1	...	4	....	1	40
Keystone	2	12	....	...	...	2	1	10	...	...	7	....	...	34
Empire	....	.....	....	...	...	....	...	1	...	...	....	....	2	3
Worthington	4	9	....	1	...	2	...	.....	...	...	3	....	1	20
Gem	1	.....	....	...	...	....	...	.....	...	1	....	....	1	3
Hersey detector	....	.....	....	...	2	....	...	.....	...	...	....	....	...	2
Metropolitan	2	.....	....	...	...	1	...	.....	...	...	....	....	...	3
Standard	....	.....	....	...	...	1	...	.....	...	...	....	....	...	1
King	....	.....	....	...	...	....	...	21	...	...	1	....	...	22
Totals	561	2,006	116	16	21	322	50	2,231	58	13	496	151	86	6,127

Table No. IX.

Meters Applied.

MAKE.	DIAMETER IN INCHES.										Totals.
	¾	¾	1	1½	2	3	4	6	8	10	
Hersey disc	1,094	43	34	27	11	5	1	...	...	...	1,215
Worthington disc	185	4	....	....	1	...	...	...	...	...	190
Crown	11	11	21	4	8	2	2	...	...	...	59
American	21	2	....	....	....	...	...	...	...	...	23
Hersey rotary	6	4	8	4	4	1	...	...	...	...	27
Nash	6	1	8	1	1	...	...	...	...	...	17
Lambert	10	....	2	....	1	...	...	...	...	...	13
Trident	8	....	....	....	....	...	...	...	...	...	8
Keystone	9	1	1	....	....	...	...	...	...	...	11
Empire	2	....	....	....	....	...	...	...	...	...	2
Hersey detector	.....	....	....	....	....	...	...	2	2	1	5
King	48	....	53	....	....	...	...	...	...	...	101
Totals	1,400	66	127	36	26	8	3	2	2	1	1,671

Table No. X.

Meters Owned February 1, 1918.

MAKE.	DIAMETER IN INCHES.												Totals.
	⅝	¾	1	1¼	1½	2	3	4	6	8	10	12	
Hersey disc	43,550	2,879	1,439	1	716	257	126	82	1	...	...	...	49,001
Hersey rotary	382	355	270	....	174	151	56	27	13	...	...	...	1,428
Hersey detector	.....	.....	.....	....	.....	....	3	13	22	11	8	1	58
Crown	1,029	515	398	....	212	193	93	56	15	...	...	...	2,511
Nash	474	240	140	....	44	39	3	....	....	....	....	....	940
Lambert	323	117	74	....	14	18	....	4	....	....	....	....	550
Trident	192	4	4	....	4	5	....	....	1	...	...	...	210
Worthington	1	15	40	....	9	12	2	2	....	....	....	....	81
Worthington disc	6,631	38	6	....	.....	18	....	....	....	....	....	....	6,693
Keystone	178	84	22	....	2	3	9	....	2	...	...	...	300
Metropolitan	.....	16	2	....	.....	....	....	....	....	....	....	....	18
American	1,014	490	.....	....	.....	....	....	....	....	....	....	....	1,504
Worthington turbine	.....	.....	.....	....	.....	....	....	1	....	....	....	....	1
Hersey torrent	.....	.....	.....	....	.....	....	....	....	1	...	...	...	1
Empire	137	3	5	....	7	....	....	....	....	....	....	....	152
Gem	.....	.....	.....	....	.....	3	4	7	9	...	...	...	23
Standard	11	.....	.....	....	1	....	....	....	....	....	....	....	12
B. W. W	.....	1	....	....	.....	....	....	....	....	....	....	....	1
Thomson	6	2	.....	....	.....	....	....	....	....	....	....	....	8
Union	2	1	.....	....	.....	....	....	....	....	....	....	....	3
Gamon	1	.....	.....	....	.....	....	....	....	....	....	....	....	1
Hersey compound	.....	.....	.....	....	.....	....	....	....	2	...	...	...	2
King	499	.....	200	....	.....	....	....	....	....	....	....	....	699
Totals	54,430	4,760	2,600	1	1,183	699	296	142	66	11	3	1	64,192

DISTRIBUTION BRANCH.

The following tables give in detail the operations of this branch during the past year:

Table No. I.

Showing Length of Main Lines of Water Pipes and Connections Owned and Operated by the Public Works Department, Sewer and Water Division (Water Service), and Number of Valves in Same, January 31, 1918.

	Diameter of Pipes in Inches.																	Totals.
	48	42	40	36	30	28	24	20	16	14	12	10	8	6	4	3	2	
Length owned and operated January 31, 1917 (feet)	10,637	15,476	16,105	37,128	91,995	244	79,246	87,831	251,484	5,021	1,426,447	358,795	803,559	1,260,395	106,812	6,827	5,722	4,563,724
Gate valves in same	8	4	8	18	59	....	70	78	537	20	3,333	1,177	2,597	3,967	610	16	12	12,514
Air valves in same	12	3	7	27	98	2	45	43	45	.....	33	2	3	.....	.....	.....	.....	320
Blow-offs in same	1	3	3	8	34	....	20	44	61	.....	147	39	98	113	53	5	1	630
Length laid and relaid during year 1917–18	48	141	.....	19	1,081	....	89	.....	6,833	.....	13,507	15,676	11,197	6,035	1,165	216	104	56,111
Gate valves in same	1	.....	.....	.....	.....	....	2	.....	34	1	110	65	84	27	16	.....	.....	340
Air valves in same	1	.....	.....	.....	4	....	2	1	2	.....	2	1	.....	.....	.....	.....	.....	13
Blow-offs in same	.....	1	.....	.....	1	....	.....	.....	1	.....	6	2	7	.....	5	1	.....	24
Length abandoned during year 1917–18	67	.....	.....	.....	.....	....	268	908	139	.....	4,338	475	3,773	11,611	1,310	21	.....	22,910
Gate valves in same	.....	.....	.....	.....	.....	....	5	2	4	.....	12	3	13	47	13	.....	.....	99
Air valves in same	.....	.....	.....	.....	.....	....	.....	2	.....	.....	3	1	.....	.....	.....	.....	.....	6
Blow-offs in same	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	1	3	.....	.....	.....	.....	4
Length owned and operated January 31, 1918 (feet)	10,618	15,617	16,105	37,147	93,076	244	79,067	86,923	258,178	5,021	1,435,616	373,996	810,983	1,254,819	106,667	7,022	5,826	*4,596,925
Gate valves in same	9	4	8	18	59	....	67	76	567	21	3,431	1,239	2,668	3,947	613	16	12	12,755
Air valves in same	13	3	7	27	102	2	47	42	47	.....	32	2	3	.....	.....	.....	.....	327
Blow-offs in same	1	4	3	8	35	....	20	44	62	.....	153	40	102	113	58	6	1	650

* 870.62 miles in system.

Table No. II.

Statement of Hydrant, Blow-off and Reservoir Pipes.

	Diameter in Inches.								Totals.
	16	12	10	9	8	6	4	3	
Total length connected with system January 31, 1917	29	5,781	176	1,944	5,528	59,475	6,494	44	79,471
Length laid and relaid during year	.....	20	12	.....	346	1,862	8	5	2,253
Length abandoned during year	2	183	.....	22	62	661	13	.....	943
Total length connected with system January 31, 1918	27	5,618	188	1,922	5,812	60,676	6,489	49	80,781

Table No. III.

Total Number of Hydrants in System, January 31, 1918.

	Lowry.	Boston Lowry.	Boston Post.	Ordinary Post.	Boston.	Chapman Post.	Coffin Post.	Ludlow Post.	Matthews Post.	Totals.
City proper (public)	535	43	660	202	73	....	....	....	....	1,513
" (private)	4	....	9	6	39	....	....	....	....	58
Roxbury (public)	397	68	572	413	19	....	....	....	....	1,469
" (private)	2	1	3	2	10	....	....	....	....	18
West Roxbury (public)	70	196	549	741	18	....	....	....	....	1,574
" (private)	.....	....	.....	16	1	....	....	....	....	17
Brighton (public)	56	62	304	436	14	....	....	....	....	872
" (private)	.....	....	.....	8	2	....	....	....	....	10
Dorchester (public)	262	179	729	1,074	23	....	....	....	....	2,267
" (private)	.....	1	8	1	4	....	....	....	....	14
South Boston (public)	154	30	295	147	24	....	....	....	....	650
" (private)	3	....	.....	15	27	....	....	....	....	45
East Boston (public)	43	19	250	186	6	....	....	....	....	504
" (private)	8	....	.....	7	25	....	....	....	....	40
Charlestown (public)	108	41	164	33	2	....	....	....	....	348
" (private)	13	1	.....	37	5	....	....	....	....	56
Deer Island (private)	.....	....	1	20	....	....	....	....	....	21
Long Island (private)	.....	....	.....	6	....	....	....	....	....	6
Thompson's Island (private)	.....	....	.....	2	....	....	....	....	....	2
Gallop's Island (private)	.....	....	.....	3	1	....	....	....	....	4
Rainsford Island (private)	.....	....	.....	3	1	....	....	....	....	4
Quincy	.....	....	.....	9	....	....	....	....	....	9
Hyde Park (public)	.....	3	28	227	....	154	1	9	....	422
" (private)	.....	....	.....	.....	....	55	....	13	4	72
Total number (public)	1,625	641	3,551	3,459	179	154	1	9	....	9,619
Total number (private and suburban)	30	3	21	135	115	55	....	13	4	376

Lowry hydrants are set on the main pipe — the barrel comes to within five inches of the road surface, inclosed in a box whose frame and cover are flush with road surface. To use this style of hydrant a chuck having either one 2½-inch outlet or two 2½-inch outlets and one 4½-inch outlet, each controlled by an independent valve, is connected to Lowry hydrant barrel.

Boston Lowry hydrants are set in the sidewalk; in all other respects they are similar to the Lowry hydrants.

Boston Post hydrants are designed and made in the Water Service machine shop, are set in the sidewalk and have two 4½-inch and one 2½-inch outlets controlled by independent valves in addition to a main valve.

Ordinary post hydrants are set in the sidewalk and have one 4½-inch and two 2½-inch outlets without independent valves, the only valve in hydrant being the main valve.

Boston hydrants are the original hydrants used in Boston and consist of a 2½ inch pipe coming to within five inches of street surface controlled by a valve. The number now in service are located in alleys, etc., and are used only for blow-off purposes.

Chapman, Coffin, Ludlow and Matthews post hydrants are commercial hydrants set in Hyde Park and acquired by the Water Service in the annexation of the town of Hyde Park to Boston.

Table No. IV.

Total Number and Aggregate Length of Service Pipes of Various Sizes Connected with System January 31, 1918.

Sizes.	Total Number.	Aggregate Length in Linear Feet.
¾-inch	6,944	159,093
¾-inch	84,982	2,373,426
¾-inch	3,380	116,800
1-inch	5,476	196,581
1¼-inch	495	15,055
1½-inch	1,512	46,742
2-inch	2,094	65,918
2½-inch	12	267
3-inch	918	26,717
4-inch	2,095	66,739
6-inch	173	22,167
8-inch	47	3,304
10-inch	11	1,650
12-inch	18	3,627
16-inch	2	95
Totals	108,159	3,098,181

Table No. V.

Fountains in Service January 31, 1918.

	Style B.	Style D.	Style G.	Style H.	Style I.	Style J.	Style K.	Style L.	Style M.	Totals.
City proper	....	....	....	7	18	12	....	6	12	55
Roxbury	2	....	....	4	1	5	3	1	2	18
West Roxbury	....	1	....	....	....	2	2	2	1	8
Brighton	....	....	....	1	....	....	2	3	....	6
Dorchester	1	....	1	1	....	2	1	1	4	11
South Boston	2	....	....	2	5	6	1	1	1	18
East Boston	3	....	....	5	....	3	....	1	....	12
Charlestown	....	....	....	....	11	6	....	3	2	22
Hyde Park	1	....	....	1	....	1	....	....	2	5
Totals	9	1	1	21	35	37	9	18	24	155

FOUNTAIN DESCRIPTION.

B. Indicates fountain for beasts only. Continuous flow of water during year.
D. Indicates fountain for man and beast. Automatic fixtures for both.
G. Indicates fountain for man and beast. Hygienic bubble fixture for man. Continuous flow of water for man and beast all the year.
H. Indicates fountain for man only. Water of ordinary temperature. Hygienic bubble fixtures controlled by self-closing cocks. In service during warm weather.
I. Indicates taps on water posts, hydrants and fountains for watering horses.
J. Indicates fountains for man only. Cold water. Hygienic bubble fixtures controlled by self-closing cocks. In service during warm weather.
K. Indicates fountain for man and beast, fitted with automatic fixtures controlled by self-closing cocks. Bubble fixture for man in warm weather. Continuous flow for beasts all the year.
L. Indicates fountain for man and beast, bubble fixtures for man and taps fitted for the purpose of filling pails to water horses. Continuous flow for beasts all the year.
M. Indicates fountain for beasts only, fitted with taps for the purpose of filling pails to water horses. Continuous flow for beasts all the year.

Table No. VI.

Maintenance of Main Pipe.

NATURE OF WORK.	Number of Jobs	Total Cost.
Gate boxes renewed	874	$22,875 09
Gates located, inspected (oiled, tested, etc.)	1,986	857 35
Repaving (including contractor's miscellaneous jobs)	213	1,832 21
Leaking joints repaired	110	2,113 20
Gate boxes cleaned out	415	400 21
Gate boxes raised and lowered	350	1,156 24
Gates cleaned and salted	4,923	799 82
Repairs on bridges (on pipes, boxes, etc.)	6	718 23
Dead ends blown off	279	496 15
Gate locations marked	5,677	1,048 08
Gates repaired, etc.	21	737 78
Gates leaking at packing	47	165 09
Box tops renewed	87	771 04
Work caused by contractors, corporations and other services	15	680 56
Leaks due to settlement and other causes	32	3,209 77
Gates renewed	5	390 74
Gate box covers (42) and frames (40) replaced	82	651 38
Cleaning main pipes (contractor)	13	3,590 45
Thawing main pipes	2	258 14
Miscellaneous jobs	80	680 32
Totals	15,217	$43,431 85

Table No. VII.

Hydrants Established and Abandoned.

	ESTABLISHED.						ABANDONED.							
	Lowry.	Boston Lowry.	Boston Post.	Ordinary Post.	Chapman Post.	Totals.	Lowry.	Boston Lowry.	Boston Post.	Ordinary Post.	Chapman Post.	Ludlow Post.	Boston.	Totals.
City proper	....	....	3	28	...	31	15	....	8	7	...	...	2	32
Roxbury	....	....	....	32	...	32	2	....	3	11	...	...	...	16
West Roxbury	....	8	3	39	...	50	3	5	12	13	...	...	1	34
Brighton	....	1	1	36	...	38	3	3	2	10	...	...	...	18
Dorchester	....	1	1	82	...	84	43	7	3	8	...	...	1	62
South Boston	3	....	3	15	...	21	5	2	6	5	...	...	1	19
East Boston	....	....	3	20	...	23	9	2	8	3	...	...	...	22
Charlestown	....	....	2	4	...	6	4	....	2	....	...	...	...	6
Hyde Park	....	1	....	26	1	28	....	....	1	3	8	1	...	13
Totals	3	11	16	282	1	313	84	19	45	60	8	1	5	222

Table No. VIII.

Hydrant Repairs.

KIND OF WORK AND CAUSES.	Number of Jobs.	Cost.
Boxes raised, lowered, reset, repaired, renewed and pumped out,	1,232	$13,386 08
Barrels changed, relocated, reset and repaired	373	3,311 03
Hydrant gates defective	4	8 35
Hydrants thawed	191	479 48
Hydrants painted	1,546	297 68
Repaired on account of contractors, corporations and other departments	35	443 22
Repaved on account of repairs	619	1,762 58
Heavy teaming	110	879 89
Hydrants inspected, oiled and cleaned	60,970	10,050 84
Sacks of salt delivered to Fire Department, 1,712	.....	1,540 80
Totals	65,080	$32,159 95

Table No. IX.

Statement of Service Pipes Laid and Abandoned.

SIZES OF SERVICES LAID AND ABANDONED.	CITY PROPER.		ROXBURY.		WEST ROXBURY.		BRIGHTON.		DORCHESTER.		SOUTH BOSTON.		EAST BOSTON.		CHARLESTOWN.		HYDE PARK.		BOSTON HARBOR.		TOTALS.	
	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.	Number of Services.	Length in Feet.
¾-inch laid																						
¾-inch abandoned					1	36									3	61					4	97
1-inch laid	16	326	30	861	147	3,530	56	1,226	158	3,623	20	450	11	219	3	54	85	1,689			526	11,978
1-inch abandoned	112	2,489	43	958	3	94	3	75	3	15	33	803	6	85	10	192	14	165			227	4,876
1¼-inch laid	10	286	9	211	2	57	11	224	5	139	5	87	2	37	2	20	46	2,476			92	3,537
1¼-inch abandoned	8	213			1	19	1				1	28	2	106	1	5	1	14			15	415
1-inch laid	52	1,294	27	747	3	49	26	592	7	146	5	114			3	104	3	92			126	3,138
1-inch abandoned	12	467	2	27	1	13					6	343					92	3,148			113	3,998
1½-inch laid	8	190	4	137			3	67	2	56	2	38									19	488
1½-inch abandoned	1	15									1	18			1	5					3	38
1¾-inch laid	9	222	2	32	2	60	3	154	3	68	9	200	1	20			1	21			30	777
1¾-inch abandoned	6	130			1	9	1	18			2	12									10	169
2-inch laid	12	284	3	43	4	80	2	47	1	16	2	51			1	20					25	541
2-inch abandoned	3	69	1	2			1	27			1	33					1	17			7	148
3-inch laid	5	93	1	35	2	82	1	36	2	42	1	15	1	17			1	22			14	342
3-inch abandoned	3	63																			3	63
4-inch laid	144	2,864	30	872	2	58	16	415	1	30	12	293	2	51			1	27			208	4,610
4-inch abandoned	14	269									1	28									15	297
6-inch laid	1	20																			1	20
6-inch abandoned											1	16									1	16
8-inch laid	1	94					1	28			1	35	1	14							4	171
8-inch abandoned											1	30	1	12							2	42
10-inch laid																						
10-inch abandoned																						
Total laid	258	5,673	106	2,938	162	3,916	119	2,789	179	4,120	57	1,283	18	358	9	198	137	4,327			1,045	25,602
Total abandoned	159	3,745	46	987	7	171	6	120	3	15	47	1,311	9	203	15	263	108	3,344			400	10,159
Net increase	99	1,928	60	1,951	155	3,745	113	2,669	176	4,105	10		9	155			29	983			645	15,443
Net decrease												28			6	65						

Table No. X.

Cost of New Service Pipes Laid.

Size.	Number.	Length in Feet.	Material.	Labor, Teaming, etc.	Repaving.	Blasting.	Total Cost.	Average Cost per Service.	Average Cost per Linear Foot.
¾-inch....	354	8 849	$5,006 14	$5,511 64	$736 11	$548 00	$11,801 89	$33 43	$1 25
¾-inch....	34	973	577 56	586 50	30 64	16 68	1,211 38	35 63	1 25
1-inch...	60	1,404	1,463 74	1,000 74	36 71	.....	2,501 19	41 69	1 78
1¼-inch...	7	197	212 25	152 30	8 29	.....	372 84	53 26	1 89
1½-inch...	12	389	466 08	252 63	65 37	.....	784 08	65 34	2 02
2-inch...	13	237	501 21	296 98	10 19	.....	808 38	62 18	3 41
3-inch...	7	221	579 97	268 78	20 48	.....	869 23	124 18	3 94
4-inch...	185	4,157	14,903 19	11,126 65	3,234 97	.....	29,264 81	158 19	7 04
6-inch...	1	20	82 24	119 60	.....	.....	201 84	201 84	10 09
8-inch...	2	122	314 82	236 07	77 64	.....	628 53	314 27	5 15
12-inch...	.....	.....	.....	.....	8 67	.....	8 67	.....	.....
Totals..	675	16,569	$24,107 20	$19,551 89	$4,229 07	$564 68	$48,452 84		

Table No. XI.

Cost of Service Pipe Abandoned and Plugged.

Size.	Number.	Length in Feet.	Material.	Labor, Teaming, etc.	Repaving.	Total Cost.	Credit (Stock Returned).	Net Total Cost.	Average Cost per Service.	Average Cost per Linear Foot.
¾-inch.....	2	46	$0 24	$8 18	.....	$8 42	$1 03	$7 39	$3 69	$0 16
¾-inch.....	117	2,274	28 98	940 08	$41 51	1,010 57	196 93	813 64	6 95	36
¾-inch.....	7	227	1 02	42 05	.....	43 07	37 46	5 61	80	02
1-inch.....	7	123	1 19	58 97	19 59	79 75	38 55	41 20	5 89	34
1¼-inch.....	2	20	1 00	22 24	.....	23 24	8 93	14 31	7 16	71
1½-inch.....	8	152	5 33	69 89	.....	75 22	48 82	26 40	3 30	27
2-inch.....	1	40	60	12 86	.....	13 46	1 65	11 81	11 81	29
3-inch.....	1	16	50	11 90	.....	12 40	32 60	.....	.....	.....
4-inch.....	6	228	54 74	104 46	.....	159 20	98 20	* 61 00	10 17	27
6-inch.....	1	16	3 51	16 10	.....	19 61	9 66	9 95	9 95	62
8-inch.....	1	30	23 39	39 35	.....	62 74	52 76	9 98	9 98	33
Totals..	153	3,172	$120 50	$1,326 08	$61 10	$1,507 68	$526 59	$1,001 29 * 20 20 $981 09		

* This $20.20 credit is deducted from account of 3-inch pipe.

Table No. XII.

Cost of Laying New Services, Excavating and Backfilling Done by Applicant.

SIZE.	Number.	Length in Feet.	Material.	Labor.	Teaming.	Total Cost.	Average Cost per Service	Average Cost per Linear Foot.
¾-inch	101	1,765	$1,123 33	$184 17	$123 81	$1,431 31	$14 17	$0 81
1-inch	8	72	57 28	20 37	10 56	88 21	11 03	1 23
1-inch	17	493	440 51	54 64	20 39	515 54	30 33	1 05
1½-inch	1	18	25 03	2 41	83	28 27	28 27	1 57
1½-inch	3	21	45 73	8 27	3 05	57 05	19 01	2 72
2-inch	2	24	54 31	4 91	2 15	61 37	30 69	2 56
4-inch	13	326	1,073 90	166 34	35 75	1,275 99	98 15	3 91
Totals	145	2,719	$2,820 09	$441 11	$196 54	$3,457 74		

Table No. XIII.

Cost of Service Pipes, Replacing Others.

SIZE.	LAID.		ABANDONED AND PLUGGED.		Material.	Labor, Teaming, etc.	Repaving.	Blasting.	Total Cost.	Average Cost per Service.	Average Cost per Linear Foot.
	Number.	Length in Feet.	Number.	Length in Feet.							
¾-inch	.....	.....	2	51	.....	.....	.....	.....	.....	.....	.....
¾-inch	71	1,364	110	2,602	$714 85	$1,046 15	$33 86	$52 38	$1,847 24	$26 02	$1 35
1-inch	50	2,492	8	188	1,047 50	1,202 93	7 30	363 12	2,620 85	52 42	1 05
1-inch	49	1,241	106	3,875	895 47	977 43	170 70	.....	2,043 60	41 71	1 65
1½-inch	11	273	1	18	238 27	261 01	85 15	.....	584 43	53 13	2 10
1½-inch	15	367	2	17	452 88	325 78	17 53	.....	796 19	53 08	2 17
2-inch	10	280	6	108	447 27	268 45	29 01	.....	744 73	74 47	2 66
3-inch	7	121	2	47	414 88	216 79	1 92	.....	633 59	90 51	5 24
4-inch	10	127	9	69	575 54	276 89	62 61	.....	915 04	91 50	7 21
8-inch	2	49	1	12	141 95	185 25	.....	.....	327 20	163 60	6 68
Totals	225	6,314	247	6,987	$4,928 61	$4,760 68	$408 08	$415 50	$10,512 87		

Table No. XIV.

Service Pipe Repairs.

CAUSES.	Number of Jobs.	Cost.
Boxes established, repaired, regulated and renewed	411	$5,258 23
Cocks established, repaired and regulated	89	984 68
Church cocks replaced with sidewalk cocks	2	56 12
Sidewalk cocks established	35	521 66
Gates defective	11	409 17
Eaten by electrolysis, ashes, etc	2	69 84
Defective pipes	1,049	16,489 60
Pipes regulated	62	837 98
Pipes stolen	1	17 41
Repairs on account of contractors, corporations and other departments	271	1,921 92
Frost	433	7,321 50
Heavy teaming	33	284 52
Repaved on account of repairs	542	3,959 19
Rust, dirt and fish	579	2,470 88
Uprights established, renewed, repaired, relocated, regulated and oiled	2,498	3,615 16
Letting on and shutting off water	8,172	13,179 26
Investigations	857	2,314 74
Totals	15,047	$59,711 86

Table No. XV.

Fountains Changed, 1917.

ESTABLISHED.	ABANDONED.
Style.	*Style.*
M. Mahoney square.	L. Mahoney square.
M. Merrimac square.	L. Merrimac square.
M. Roxbury Crossing.	L. Roxbury Crossing.
L. Cambridge street, at Rutherford avenue.	B. Cambridge street, at Rutherford avenue.
L. Medford street, at Belmont street.	B. Medford street, at Belmont street.
L. Spring street, at Centre street.	K. Spring street, at Centre street.
J. Dorchester street, at Preble street.	L. Dorchester street, at Preble street.
B. Winthrop square.	M. Winthrop square.
B. Downer square.	M. Downer square

New Fountains Established During Year 1917.

Style.
J. Hyde Park avenue, at Tower street.

Abandoned During Year 1917.

Style.
B. Medford street, at Tufts street.
K. Hyde Park avenue, at Blakemore street.
J. Eustis street, at Mall street.

For fountain description, see Table No. V.

Cost of Establishing and Abandoning Fountains.

NUMBER.	Material.	Labor and Teaming.	Cost.
One established..... Two abandoned.....	$53 38	$212 00	$265 38

Table No. XVI.

Fountain Repairs, 1917.

CAUSES.	Number of Jobs.	Cost.
Leaking.....	162	$792 95
Frozen.....	4	125 26
Valves broken.....	19	96 67
Waste full of dirt.....	32	162 59
Attach cocks to post hydrants.....	9	38 26
Bad paving.....	3	44 34
New spray, Boston Common.....	1	2 60
Cover broken.....	1	32 50
New grate.....	1	4 28
Relocations.....	1	9 25
New drain.....	1	16 98
New signs.....	4	4 65
Weighing ice.....	100	1,184 50
Shutting off and letting on.....	58	49 50
Totals.....	414	$1,921 67

Table No. XVII.

Water Posts Established and Abandoned, 1917.

ABANDONED.	ESTABLISHED.
Park street, near Dorchester avenue.	Park street, between Dorchester and Geneva avenues.
Centre street, at La Grange street.	La Grange street, at Billings Field.
Seventh street, between B and C streets.	Opposite same location.
Warren street, at Henley street.	50 feet west of old location.
Macallen street, at Dorchester avenue.	60 feet west of old location.
	Grove street, at Frankfort street, East Boston.

NUMBER.	Material.	Labor and Teaming.	Total.
One established.....	$11 96	$2 45	$14 41

Table No. XVIII.

Water Post Repairs.

CAUSES.	Number of Jobs	Cost
Hit by team	2	$3 06
Cock broken	2	13 35
Valves leaking	19	36 08
Shut off and let on	5	17 67
Arm broken	1	2 68
Decayed boxes	13	123 31
Set to grade	3	14 80
Relocated	2	10 70
Bad paving	2	19 48
Totals	49	$241 13

Table No. XIX.

Meters Set for Meter Branch.

NUMBER SET.		Size.	Cost of Material.	Cost of Labor, Teaming and Car Fare.	Total.
Outside.	Inside.				
2		¾-inch	$17 17	$24 32	$41 49
	7	¾-inch	2 58	1 88	4 46
4		1-inch	24 27	26 57	50 84
	1	1-inch	19	29	48
2		1½-inch	15 77	13 35	29 12
2		2-inch	16 79	26 65	43 44
1		3-inch	10 62	17 44	28 06
11	8		$87 39	$110 50	*$197 89

* Above exclusive of cost of meters.

Table No. XX.

Meter Repairs for Meter Branch, 1917.

CAUSES.	Number of Jobs.	Cost.
Frozen	389	$1,094 66
Leaking	458	1,110 95
Boxes decayed	425	4,946 58
Replaced	197	1,793 17
Covers broken	16	50 75
Bad paving	65	429 59
No force	4	11 50
Built new chambers	2	144 13
New frame and cover	4	41 22
Set to grade	49	236 21
Box inspection, etc	43	44 27
Totals	1,652	7,903 03

Table No. XXI.

Machine Shop.

Stock Manufactured from the Rough.

KIND.	Number.	Labor.	49 per Cent Added.	Stock.	Cost Each.	Total Cost.
Ordinary post hydrant, No. 2	101	$11 55	$17 21	$30 76	$47 97	$4,844 97
3-inch blow-off hydrants	23	7 50	11 17	12 03	23 20	533 60
4-inch gates	148	6 21	9 25	10 01	19 26	2,850 48
6-inch gates	97	8 00	11 62	18 58	30 20	2,929 40
8-inch gates	43	9 22	13 74	28 13	41 87	1,800 41
10-inch gates	43	13 04	19 43	41 62	61 05	2,625 15
12-inch gates	46	14 78	22 02	53 65	75 67	3,480 82
16-inch gates	14	30 87	46 00	71 12	117 99	1,651 86
¾-inch sidewalk cocks	181	67	1 00	1 22	2 22	401 82
¾-inch sidewalk cocks	126	77	1 14	1 48	2 62	330 12
1-inch sidewalk cocks	52	93	1 38	1 11	2 49	129 48
¾-inch corporation cocks	774	49	73	46	1 19	921 06
¾-inch corporation cocks	88	65	97	70	1 67	146 96

Machine Shop.— *Continued.*

Stock Manufactured from the Rough.— Concluded.

KIND.	Number.	Labor.	49 per Cent Added.	Stock.	Cost Each.	Total Cost.
1-inch corporation cocks	109	$0 77	$1 14	$1 27	$2 41	$262 66
1½-inch corporation cocks	65	1 15	1 71	2 45	4 16	270 40
1½-inch combination couplings	67	29	43	1 00	1 43	75 81
2-inch combination couplings	33	33	49	1 42	1 91	63 03
¾-inch coupling nuts	4,272	03	04	07	11	469 92
1-inch coupling nuts	139	06	09	19	28	38 92
1½-inch coupling nuts	100	09	13	30	43	43 00
1½-inch coupling nuts	11	10	15	34	49	5 39
2-inch coupling nuts	21	11	16	55	71	14 91
¾-inch coupling tubes	3,222	03	05	07	12	386 64
1-inch coupling tubes	237	06	09	16	25	59 25
1½-inch coupling tubes	100	08	12	20	32	32 00
1½-inch coupling tubes	215	10	15	34	59	126 85
2-inch coupling tubes	26	11	16	48	64	16 04
2-inch air cocks	2	2 45	3 55	6 95	10 50	21 00
¾-inch male couplings	1,450	04	06	13	19	275 50
1-inch male couplings	100	09	13	34	47	47 00
1-inch meter bushings	85	10	14	24	38	32 30
1½-inch meter bushings	50	15	22	35	57	28 50
Hydrant wastes	615	23	34	35	69	424 35
Installing bushings in sidewalk uprights	1,661	05	07	15	22	365 42
4-inch jointers	6	16	24	95	1 19	7 14
12-inch jointers	4	37	55	1 58	2 13	8 52
						$25,920 68

Table No. XXII.

Machine Shop.—*Concluded.*

Stock Repaired and Miscellaneous Work.

	Number.	Total Cost.
3-inch blow-off gate	2	$4 53
4-inch gate	7	10 38
6-inch gate	29	76 50
8-inch gate	8	28 76
10-inch gate	1	4 53
12-inch gate	9	42 23
16-inch gate	1	1 35
20-inch gate	1	34 76
Lowry hydrants	49	363 45
Boston Lowry hydrants	3	12 73
Boston post hydrants	16	145 43
Batchelder hydrants	8	111 80
Ordinary post hydrants	39	275 11
Various size coupling nuts, corporation cocks, etc. (service stock),	803	41 35
Repaired High Pressure Service auto, No. 104	1	57 35
Furnished 30-inch screw for Boston machine gate	1	66 91
Stock consigned to junk (labor only)		23 90
Total		$1,301 07

Table No. XXIII.

Blacksmith Shop.

Repaired 3,099 tools	$1,561 08
Sharpened 4,703 picks, 1,048 bars and 1,474 chisels	1,297 22
Made straps for 8-inch pipe at Neponset Bridge	32 61
Strapping 12-inch and 16-inch pipes on Beacon street	23 26
Strapping 12-inch blow-off gate on Huntington avenue	19 68
Strapping 6-inch blow-off gate on Commercial street	16 30
Made special rings and bolts for Sewer Service	2 55
Total	$2,952 70

Table No. XXIV.

Carpenter Shop.

Stock Manufactured.

	Number.	Total Cost.
Lowry hydrant boxes at $5.99	42	$251 58
Boston Lowry hydrant boxes at $8.06	30	242 40
Post hydrant boxes at $6.58	6	39 48
Small gate boxes at $5.05	72	363 60
Large gate boxes at $6.30	48	302 40
Meter boxes at $5.70	48	273 60
Boston hydrant boxes at $5.58	3	16 74
Blow-off boxes at $6.67	2	13 34
Tops for Lowry hydrant boxes at $0.83	30	24 90
Tops for post hydrant boxes at $0.83	6	4 98
Tops for small gate boxes at $0.68	61	41 48
Tops for large gate boxes at $0.76	18	13 68
Ground meter boxes at $0.55	18	9 90
Pieces for raising Lowry hydrant boxes at $0.08 per inch	2,888 in.	231 04
Pieces for raising small gate boxes at $0.08 per inch	3,084 in.	246 72
Pieces for raising large gate boxes at $0.08 per inch	100 in.	8 00
Pieces for raising meter boxes at $0.08 per inch	880 in.	70 40
Wedges for main pipe work, etc	2,402	41 60
Made 2-inch plugs	328	36 83
Made 212 brackets and 326 shelves for meter branch	538	23 03
Made 48 wooden horses	48	80 47
Total	.....	$2,336 17

Table No. XXV.

Carpenter Shop.

Miscellaneous Work.

Fitted old storeroom as office and storeroom for meter branch,	$724 36
Altering old meter room for auto repair shop, 710 Albany street	721 05
Repairs in stable and wagon sheds, 710 Albany street	715 39
Work done for engineering branch	472 17
Repaired 560 tools	444 93
General repairs in yard at 710 Albany street	399 79
Built platform to hold castings at 710 Albany street	331 52
Work done for meter branch, 710 Albany street	299 67
Made 75 new tools	295 75
General repairs in Brighton yard	255 63
Made and set 5 sentry boxes for guarding pipes at bridges	213 57
General repairs in Charlestown yard	204 88
Repairs in machine shop, 710 Albany street	200 69
Work done for Income Office, City Hall Annex	168 90
Repairs in storeroom, 710 Albany street	138 37
General repairs in West Roxbury yard	116 67
Made 4 covers for horse fountains	72 52
General repairs in East Boston yard	63 33
Repairs on locker, etc., belonging to Water Service boat at City Point, South Boston	60 67
Repaired fence around East Boston reservoir	55 43
Made, set and repaired 3 square meter boxes	55 43
Repairs in plumbing shop, 710 Albany street	54 28
Repairs in office, etc., 710 Albany street	48 81
Repairs in carpenter shop, 710 Albany street	47 06
Thirteen wagon repairs	30 63
Repairs in blacksmith shop, 710 Albany street	5 28
General repairs in Dorchester yard	2 88
Miscellaneous work	71 54
Total	$6,271 20

Table No. XXVI.

Pattern Shop.

Repaired 78 patterns	$1,301 95
Made 28 new patterns	1,138 91
Storing patterns (labor only)	36 21
Total	$2,477 07

Table No. XXVII.

Plumbing Shop.

Removing fixtures, etc., from meter room, 710 Albany street,	$103 78
Made 111 new tools	82 62
Repaired service pipes at sink in stable, 710 Albany street	74 58
Miscellaneous repairs in yard, shops and office, 710 Albany street	50 53
Repaired 16 pumps	38 96
Work on pressure gauges in engine houses and at Boston Common	34 01
Accommodation work for various services	33 03
Plumbing work in new meter storerom, 710 Albany street	32 15
Miscellaneous repairs in four outside yards	26 62
Repaired 5 tools	23 13
Soldered 4 2-inch air cocks	1 62
Total	$501 03

Table No. XXVIII.

Miscellaneous.

Two thousand and nineteen inspections of patch paving	$1,725 20
Twenty-one Deacon meter boxes renewed at various locations	500 50
Various electrical repairs in main building, 710 Albany street,	361 09
General repairs and work in new garage, 710 Albany street	356 07
Flushing streets for Street Cleaning Service	197 20
Wiring new storeroom for meter branch, 710 Albany street	170 00
Delivering water to contractors, corporations and other services	156 46
Accommodation work for private corporations (mostly service pipe work)	154 74
Repairs on pressure gauge at Orient Heights, East Boston	150 55
Electrical and other accommodation work done for Paving Service	145 18
Repairs on brick work in office building, etc., 710 Albany street	136 36
Accommodation work for other services and departments	118 78
Various repairs in yards of outside districts	87 20
Shoveling snow at East Boston reservoir	70 00
Electrical repairs in garage and stable, 710 Albany street	67 74
Cut post hydrant for instruction model for Fire Department	65 22
Electrician repaired and tested all gasolene pumps	52 01
Work on mains on account of contractor's work (blasting, etc.)	25 84
General repairs in shops and storeroom, 710 Albany street	22 96
Electrician tested battery for thawing purposes, 710 Albany street	22 40
Inspection at setting of 8 Lowry hydrant boxes in South Boston	15 36
Wired liberty arch at Central square, East Boston	13 80
Miscellaneous work	92 71
Total	$4,707 37

Cost of Extension of Main Pipe.

STREET.	Location.	District.	Size. (Inch.)	Feet.	Cost of Department Material, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
Glendale terrace	From Breck avenue	Brighton.	3	222	$269 99	$25 00	*	$294 99	Private, unconstructed.
Chandler road	From Appleton street	Brighton.	4	97	$179 95	$122 08	*	$302 03	Private, unconstructed.
Fairmount terrace	From Water street	Hyde Park.	4	271	231 28	196 79	$14 71	442 78	Private, unconstructed.
	Totals		4	368	$411 23	$318 87	$14 71	$774 81	
Georgia street	Between Elm Hill avenue and Montana street.	Roxbury.	6	30	$33 87	$38 32	$2 31	$74 50	Public, macadam.
Rocky Hill park	Between Columbia road and Davenport street.	Dorchester.	6	159	294 63	773 20	45 91	1,113 74	Private, rock, unconstructed.
Mascot street	At Norfolk street	Dorchester.	6	57	147 15	51 30	1 92	200 37	Public, under construction.
Loring place	From Loring street	Hyde Park.	6	292	334 75	236 00	15 36	586 11	Private, unconstructed.
Spectacle Island	On same	Boston Harbor.	6	1,025	1,121 70	2,910 85	75 00	4,107 55	
Boston Harbor	Between Long and Spectacle Islands.	Boston Harbor.	6	4,296					
Long Island	Connection to flexible pipe	Boston Harbor.	6	50	4,698 64	20,791 60	350 00	25,840 24	Flexible joint pipe.
Spectacle Island	Connection to flexible pipe	Boston Harbor.	6	60					
	Totals		6	5,939	$6,630 74	$24,801 27	$490 50	$32,922 51	
Province court	Opposite No. 13	City Proper.	8	15	$31 44	$24 44	*	$55 88	Public, granite block, gravel base.
Hartford street	Between Wendell and High streets.	City Proper.	8	194	315 14	394 47	$18 92	728 53	Public, granite block, gravel base.
Friend street	Between Causeway and Traverse streets.	City Proper.	8	359	509 58	466 62	19 38	995 58	Public, granite block, gravel base

Neptune road	Between Orleans and Cleveland streets.	East Boston.	8	1,531	2,322 41	1,676 33	76 80	4,075 54	Public, under construction.
Gove street	From Cleveland street	East Boston.	8	147	179 01	118 50	3 84	301 35	Public, under construction.
Harold street	Between Townsend and Harrishof streets.	Roxbury.	8	292	451 43	1,075 53	171 50	1,698 46	Public, macadam, rock.
Harrishof street	At Harold street	Roxbury.	8	12	18 28	25 15	7 68	51 11	Public, macadam.
Sudan street	Between Sagamore and Sydney streets.	Dorchester.	8	393	681 76	345 14	14 40	1,041 30	Public, under construction.
Riverside place	From River street	Dorchester.	8	108	140 87	278 40	10 56	429 83	Private, unconstructed.
Menton street	Between Groveland and Standard streets.	Dorchester.	8	147	203 22	97 30	3 44	303 96	Private, unconstructed.
Regina street	From Washington street	Dorchester.	8	256	477 33	330 99	27 00	835 32	Private, unconstructed.
Hosmer street	At Norfolk street	Dorchester.	8	27	153 79	42 94	2 01	198 74	Public, macadam.
Frontenac street	Between Blue Hill avenue and Lucerne street.	Dorchester.	8	501	937 12	578 13	26 50	1,541 75	Private, rock, unconstructed.
Courtland street	Between Morton and Harvard streets.	Dorchester.	8	470	380 58	343 95	73 50	798 03	Private, rock, unconstructed.
Annapolis street	Between Sumner and Bakersfield streets.	Dorchester.	8	320	562 16	278 14	21 50	861 30	Private, unconstructed.
Ashton street	Between Woodrow avenue and Frontenac street.	Dorchester.	8	448	704 22	327 30	96 25	1,127 77	Private, unconstructed.
Newburg street	At West Roxbury Parkway	West Roxbury.	8	22	39 61	22 00	1 92	63 53	Private, unconstructed.
Aldrich street	At West Roxbury Parkway	West Roxbury.	8	22	39 59	22 00	1 42	63 03	Private, unconstructed.
Aldrich street	At Cornell street	West Roxbury.	8	23	89 65	23 00	3 50	116 15	Public, under construction.
Hill street	From Cornell street	West Roxbury.	8	32	85 33	32 00	3 50	120 83	Public, under construction.
Houston street	Between Garfield avenue and Crest street.	West Roxbury.	8	313	529 77	381 60	36 48	947 85	Private, unconstructed.

* City gang.

Cost of Extension of Main Pipe.— *Continued.*

Street.	Location.	District.	Size. (Inch.)	Feet.	Cost of Department Material, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
Atwill road	Between Park and Richwood streets.	West Roxbury.	8	212	$346 68	$261 20	$21 12	$629 00	Public, ordered for construction.
Goethe street	Between Schiller road and Schortmann's terrace.	West Roxbury.	8	134	256 00	163 90	11 52	431 42	Private, rock, unconstructed.
Wright road	From Upland street	West Roxbury.	8	275	478 00	328 80	18 00	824 80	Private, unconstructed.
Salman street	From Upland street	West Roxbury.	8	241	464 64	289 20	9 00	762 84	Private, unconstructed.
Spaulding street	At railroad	West Roxbury.	8	29	39 09	28 02	3 19	70 30	Public, macadam.
Cedarwood road	From Moss Hill road	West Roxbury.	8	569	986 28	441 79	10 50	1,438 57	Private, unconstructed.
North Harvard street	Between Willard place and Anderson Bridge.	Brighton.	8	53	90 31	40 37	7 00	137 68	Public, tar macadam.
Buckminster street	From Colon road	Brighton.	8	174	271 05	337 50	3 78	612 33	Private, rock, unconstructed.
Wade street	From Commonwealth avenue	Brighton.	8	14	78 82	20 00	1 75	100 57	Public, gravel sidewalk.
Fuller street	From Commonwealth avenue	Brighton.	8	128	263 59	114 93	9 02	387 54	Public, under construction.
Allston street	At south side of Commonwealth avenue.	Brighton.	8	12	89 50	65 38	6 15	161 03	Public, macadam.
Breck avenue	Between Brayton road and Glendale terrace.	Brighton.	8	70	170 25	75 00	13 75	259 00	
Bellvista road	At Corey road	Brighton.	8	77	231 59	79 00	13 44	324 03	Public, order for construction.
Bellamy street	Between Richards and Burton streets.	Brighton.	8	84	107 34	180 00	1 50	288 84	Private, unconstructed.

Aston road	Off Vernon street	Hyde Park.	8	127	172 75	237 71	77 00	487 46	Private, rock, unconstructed.
Child street	From Chestnut street	Hyde Park.	8	354	603 63	458 92	42 24	1,104 79	Private, rock, unconstructed.
Clay street	From Hyde Park avenue	Hyde Park.	8	20	115 69	16 00	96	132 65	Private, unconstructed.
Hebron street	From Roanoke road	Hyde Park.	8	183	374 75	248 55	15 36	638 66	Private, rock, unconstructed.
Raleigh road	Between Royal and Ransom roads,	Hyde Park.	8	190	273 68	263 30	21 15	558 13	Public, macadam.
Ransom road	Between Raleigh and Randolph roads.	Hyde Park.	8	414	734 40	649 90	19 68	1,403 98	Private, rock, unconstructed.
Riverside square	At River street	Hyde Park.	8	27	104 09	27 00	1 75	132 84	Private, unconstructed.
Way street	From River street	Hyde Park.	8	26	117 09	27 00	1 92	146 01	Private, unconstructed.
Webster street	From Hyde Park avenue	Hyde Park.	8	84	192 20	67 20	1 92	261 32	Public, macadam.
Winthrop street	At River street	Hyde Park.	8	40	137 50	40 00	1 92	179 42	Public, macadam.
	Totals		8	9,169	$15,551 21	$11,344 60	$933 22	$27,829 03	
Charles street	At Beacon street	City Proper.	10	60	$469 05	$220 99	$42 24	$732 28	Public.
Beacon street	Across Charles street	City Proper.	10	75					
Ralston street	Between Old Colony and Dorchester avenues.	South Boston.	10	1,140	2 586 98	1,115 42	82 56	3,784 96	Public, under construction.
Beacon street	Between Commonwealth avenue and railroad bridge.	Roxbury.	10	185	431 95	371 00	22 08	825 03	Public, macadam.
Huntington avenue	Between Opera place and Forsyth street.	Roxbury.	10	202	579 46	363 60	19 20	962 26	Public, macadam.
Bayne street	Between Dorchester avenue and Auckland street.	Dorchester.	10	262	646 85	247 11	18 24	912 20	Public, unconstructed.
Goodale road	From Blue Hill avenue	Dorchester.	10	591	1,260 65	479 71	40 25	1,780 61	Private, rock, unconstructed.
Greendale street	Between Courtland and Wellington Hill streets.	Dorchester.	10	387	687 00	617 37	197 31	1,501 68	Private, rock, unconstructed.

Cost of Extension of Main Pipe.— *Continued.*

Street.	Location.	District.	Size. (Inch.)	Feet.	Cost of Department Material, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
Livingston street	Between Blue Hill avenue and Lucerne street.	Dorchester.	10	501	$1,276 27	$423 09	$26 25	$1,725 61	Private, unconstructed.
Middleton street	At Theodore street	Dorchester.	10	30	170 03	36 01	3 00	209 04	Public, macadam.
Nevada street	Between Fairmount and Wilmington avenues.	Dorchester.	10	263	511 67	223 70	4 50	739 87	Public, under construction.
Stratton street	Between Blue Hill avenue and Lyford street.	Dorchester.	10	40	355 11	135 75	9 00	499 86	Public, macadam.
Lyford street	At Stratton street	Dorchester.	10	41					
Wilmington avenue	East from Capen street	Dorchester.	10	292	670 55	262 70	7 50	940 75	Private, unconstructed.
Cornell street	Between Colberg avenue and Westbourne street.	West Roxbury.	10	600	1,368 00	511 97	46 03	2,226 00	Public, under construction.
Lanesville terrace	Between Washington street and Arboretum road.	West Roxbury.	10	650	1,363 16	588 97	12 25	1,964 38	Private, unconstructed.
Rosemary street	Between South street and railroad,	West Roxbury.	10	60	326 78	111 05	5 76	443 59	Public, macadam.
Upland street	Between New Haven and Riverview streets.	West Roxbury.	10	325	622 81	407 42	9 00	1,039 23	Private, unconstructed.
West Roxbury Parkway	Between Colberg avenue and Newburg street.	West Roxbury.	10	420	774 19	584 70	23 04	1,381 93	Private, unconstructed.
Colon street	From Buckminster street	Brighton.	10	19	112 36	16 60	1 03	129 99	Private, unconstructed.
Griggs street	Between Commonwealth avenue and Brainerd road.	Brighton.	10	369	780 90	396 00	27 84	1,204 74	Private, unconstructed.
Hyde Park avenue	At Thatcher street	Hyde Park.	10	4	28 44	4 00	96	33 40	Public, macadam.
	Totals		10	6,516	$15,022 21	$7,417 16	$598 04	$23,037 41	

Atlantic avenue	Between Milk and South Market streets.	City Proper.	12	614	$1,666 48	$1,505 71	$73 19	$3,245 38	Public, granite block, concrete base.
Causeway street	Between Portland and Haverhill streets.	City Proper.	12	562	1,426 48	1,233 69	89 75	2,749 92	Public, granite block, concrete base.
Franklin street	Between Oliver and Broad streets.	City Proper.	12	424	1,024 93	1,212 90	58 00	2,295 83	Public, granite block, gravel base.
Friend street	Between Sudbury and Merrimac streets.	City Proper.	12	100	299 79	213 76	17 25	530 80	Public, granite block, concrete base.
Huntington avenue	Between West Newton and Garrison streets.	City Proper.	12	312	923 61	677 14	61 29	1,662 04	Public, asphalt and loam.
Lancaster street	Between Causeway and Merrimac streets.	City Proper.	12	218	524 25	439 82	11 00	975 07	Public, granite block, concrete base.
State street	Between India street and Atlantic avenue.	City Proper.	12	251	677 31	530 01	45 50	1,252 82	Public, one half granite block, concrete base; one half unconstructed sidewalk.
Washington street	Between Florence and Dover streets.	City Proper.	12	480	1,377 52	1,000 00	57 43	2,434 95	Public, granite block, concrete base.
Washington street	Between Pleasant and Hollis streets.	City Proper.	12	872	1,876 02	1,983 86	109 44	3,969 32	Public, granite block, concrete base.
Washington Street North	Between Cooper and Thacher streets.	City Proper.	12	131	267 22	267 45	12 00	546 67	Public, granite block, concrete base.
Porter street	East from Cottage street	East Boston.	12	245	482 67	309 56	11 52	803 75	Public, macadam.
Westbrook street	Between Bennington and Saratoga streets.	East Boston.	12	186	464 43	227 58	15 36	707 37	Public, under construction.
Palmer street	At Washington street	Roxbury.	12	23	70 87	31 80	3 50	106 17	Public, wood block.
Washington street	At Palmer street	Roxbury.	12	63	132 01	95 00	5 25	232 26	Public, wood block.
Groveland street	Between River and Manchester streets.	Dorchester.	12	368	910 57	333 95	12 38	1,256 90	Private, unconstructed.
Hunter street	At Norfolk street	Dorchester.	12	52	187 26	24 38	5 76	217 40	Private, unconstructed.

Cost of Extension of Main Pipe.—*Concluded.*

Street.	Location.	District.	Size. (Inch.)	Feet.	Cost of Department Material, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Remarks.
Lucerne street	Between Morton and Frontenac streets.	Dorchester.	12	216	$595 93	$454 25	$56 00	$1,106 18	Private, rock, unconstructed.
Manchester street	Between Groveland and Standard streets.	Dorchester.	12	192	607 12	188 05	9 63	804 80	Private, unconstructed.
Norfolk street	Between Walk Hill street and Blue Hill avenue.	Dorchester.	12	220	706 92	353 93	27 84	1,088 69	Public, rock, under construction.
Wilmington avenue	At Nevada street	Dorchester.	12	71	416 61	78 30	2 25	497 16	Public, under construction.
Auburn street	Between Washington street and Roslindale avenue.	West Roxbury.	12	48	146 04	70 00	4 13	220 17	Private, unconstructed.
Colberg avenue	At West Roxbury Parkway	West Roxbury.	12	20	69 14	26 00	3 84	98 98	Private unconstructed.
Private land	Between St. Mark and Anson streets.	West Roxbury.	12	256	766 60	367 68	18 02	1,152 30	
Private land	Between Anson and Hall streets	West Roxbury.	12	872	2,557 54	736 09	78 72	3,372 35	
Brooks street	North Beacon and Parkman streets,	Brighton.	12	879	1,974 43	1,087 79	28 00	3,090 22	Public, macadam.
Corey road	From Bellvista road	Brighton.	12	206	776 99	312 88	34 56	1,124 43	Private, unconstructed.
North Beacon street	Between Parsons and Brooks streets,	Brighton.	12	594	1,423 48	738 10	15 50	2,177 08	Public, under construction
Metropolitan avenue	Across River street	Hyde Park.	12	26	139 02	24 32	2 21	165 55	Public, macadam.
Prospect street	From Milton avenue	Hyde Park.	12	371	935 70	650 30	48 00	1,634 00	Private, unconstructed.
	Totals		12	8,872	$23,426 94	$15,174 30	$917 32	$39,518 56	
Broadway extension	Between Harrison avenue and Washington street.	City Proper.	16	398	$1,286 51	$952 06	$46 08	$2,284 65	Public, granite block, gravel base.

Commercial street	Between Clark and Foster streets	City Proper.	16	1,371	5,091 24	4,494 24	226 08	9,811 56	Public, granite block, concrete base.
Harrison avenue	At Broadway extension	City Proper.	16	46	458 69	171 60	12 25	642 54	Public, granite block, concrete base.
Pleasant street	At Washington street	City Proper.	16	18	212 24	49 42	1 92	263 58	Public, wood block.
Haven avenue	From Blue Hill avenue	Dorchester.	16	87	398 32	590 04	147 84	1,136 20	Private, rock, unconstructed.
Arboretum road	Between Washington and South streets.	West Roxbury.	16	604	2,302 22	813 60	52 80	3,168 62	Private, unconstructed.
South street	Between Arboretum road and entrance to Arnold Arboretum.	West Roxbury.	16	578	2,112 58	1,132 83	90 98	3,336 39	Public, macadam.
	Totals		16	3,102	$11,381 80	$8,203 79	$577 95	$20,643 54	
Harrison avenue	At Dover street	City Proper.	24	45	$10,067 88	$5,911 43	$392 17	$16,371 48	Public, granite block, gravel base.
Harrison avenue	Between Dover street and Broadway,	City Proper.	30	1,076					

Cost of Replacement of Main Pipe.

Street.	Location.	District.	Size. (Inch.)	Feet.	Cost of Department Material, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Original Size. (inch.)	Remarks.
Hersey place	From Essex street	City Proper.	4	156	$380 24	$17 02	.....	$397 26	1	Private.
Grove street	Between Cambridge and Fruit streets.	City Proper.	8	442	735 61	1,218 86	$35 00	1,989 47	6	Public, macadam.
North Margin street	At Thacher street	City Proper.	8	56	203 75	128 99	9 19	341 93	6	Public, granite block, concrete base.
Broadway	At Dorchester avenue	South Boston.	8	75	97 22	122 43	.....	219 65	8	Public, granite block, gravel base.
Taber street	From Warren street	Roxbury.	8	44	129 74	49 74	3 50	182 98	4	Public, granite block, gravel base.
Evelyn street	At Norfolk street	Dorchester.	8	25	91 14	110 04	9 00	210 18	6	Public, macadam.
Anson street	Between Percy and South streets	West Roxbury.	8	326	601 73	300 27	24 00	926 00	6	Private, unconstructed.
Kenton road	From Washington street	West Roxbury.	8	455	988 26	575 29	43 23	1,606 78	6	Public, under construction.
Spaulding street	At the railroad	West Roxbury.	8	116	157 39	112 69	12 17	282 25	6	Public, macadam.
Arlington street	Across Hyde Park avenue	Hyde Park.	8	96	302 98	60 60	9 60	373 18	4 & 6	Public, macadam.
Collins street	From Hyde Park avenue	Hyde Park.	8	78	266 29	55 35	2 88	324 52	4 & 6	Public, macadam.
Dell avenue	From Hyde Park avenue	Hyde Park.	8	65	175 02	42 90	3 36	221 28	4	Public, macadam.
Everett street	At Hyde Park avenue	Hyde Park.	8	41	257 17	26 65	5 76	289 58	4 & 6	Public, macadam.
Greenwood avenue	From Thatcher street	Hyde Park.	8	96	197 89	76 80	1 92	276 61	4	Public, macadam.
Greenwood avenue	From Hyde Park avenue	Hyde Park.	8	69	160 19	55 20	2 40	217 79	4	Public, macadam.
Lexington avenue	From River street	Hyde Park.	8	40	135 45	30 00	3 50	168 95	6	Public, macadam.
Lincoln street	At River street	Hyde Park.	8	42	131 52	35 70	5 76	172 98	4	Public, macadam.
Metropolitan avenue	Across Hyde Park avenue	Hyde Park.	8	101	199 55	76 55	3 84	279 94	6	Public, macadam.
Walter street	At River street	Hyde Park.	8	30	133 04	25 50	1 92	160 46	4	Public, macadam.

Webster street	At River street	Hyde Park.	8	40	135 77	30 00	3 84	169 61	6	Public, macadam.
Westminster street	From Hyde Park avenue	Hyde Park.	8	61	166 48	31 95	3 84	202 27	6	Public, macadam.
	Totals		8	2,300	$5,236 19	$3,165 51	$184 71	$8,616 41		
Otis street	Between Winthrop square and Summer street.	City Proper.	10	29	$52 73	$40 32	$6 72	$99 77	6	Public, granite block, gravel base.
Province street	At No. 10	City Proper.	10	13	42 63	12 50	.....	55 13	6	Public, granite block, gravel base.
Thacher street	Between Washington Street North and Prince street.	City Proper.	10	612	1,904 50	1,146 20	87 00	3,137 70	6	Public, granite block, concrete base.
Blue Hill avenue	At Goodale road	Dorchester.	10	109	152 99	88 04	19 25	260 28	6	Public, gravel sidewalk.
Middleton street	At Norfolk street	Dorchester.	10	22	123 93	18 75	2 88	148 53	6	Public, macadam.
Cornell street	Between Orange and Hill streets	West Roxbury.	10	527	457 70	393 93	49 20	903 83	6 & 8	Public, under construction.
Cornell street	Between Colberg avenue and Westbourne street.	West Roxbury.	10	30	68 93	40 81	2 28	112 05	8	Public, under construction.
Child street	Between Call and South streets	West Roxbury.	10	1,334	2,747 34	1,152 44	70 00	3,939 78	6	Public, macadam.
Kenton road	From Washington street	West Roxbury.	10	412	894 99	521 13	39 33	1,455 45	6	Public, under construction.
Newburg street	At Cornell street	West Roxbury.	10	43	212 28	55 90	7 00	275 18	6	Public, under construction.
Commonwealth avenue	Between Foster street and Chestnut Hill avenue.	Brighton.	10	790	1,540 41	1,113 85	22 50	2,676 76	6	Public, gravel sidewalk.
Gardner street	Between Malvern street and Harvard avenue.	Brighton.	10	1,875	3,684 70	1,483 60	122 84	5,291 14	6	Public, macadam.
South street	Between Chestnut Hill and Commonwealth avenues.	Brighton.	10	686	1,364 25	939 27	28 00	2,331 52	12	Public, macadam.
Arlington street	Across River street	Hyde Park.	10	72	301 54	59 10	7 68	368 32	4 & 6	Public, macadam.
Harvard avenue	From Hyde Park avenue	Hyde Park.	10	96	277 50	73 50	4 80	355 80	6	Public, macadam.
Hyde Park avenue	Between Collins and Westminster streets.	Hyde Park.	10	2,271	5,220 95	2,127 63	158 66	7,507 24	6	Public, macadam.
Thatcher street	From Hyde Park avenue	Hyde Park.	10	60	191 83	56 10	2 40	250 33	4	Public, macadam.
	Totals		10	8,981	$19,242 23	$9,328 07	$630 54	$29,198 84		

Cost of Replacement of Main Pipe.—*Concluded.*

Street.	Location.	District.	Size. (Inch.)	Feet.	Cost of Department Material, etc.	Cost of Labor.	Cost of Inspection.	Total Cost.	Original Size. (Inch.)	Remarks.
West Fourth street....	Between Dorchester avenue and A street.	South Boston.	12	136	$479 52	$295 13	$27 00	$801 65	8	Public, granite block, gravel base.
Warren street.....	Between Dudley and Washington streets.	Roxbury.	12	708	2,152 29	1,025 18	78 75	3,256 22	6	Public, granite block, gravel base, and wood blocks.
Norfolk street.....	Between Morton street and railroad bridge.	Dorchester.	12	750	2,312 82	1,376 24	147 84	3,836 90	12	Public, rock, under construction.
St. Mark street.....	Between Percy and South streets..	West Roxbury.	12	344	925 78	338 32	48 00	1,312 10	6	Private, under construction.
Anson street.....	Between Percy and South streets..	West Roxbury.	12	52	96 02	46 94	4 80	147 76	6	Private, unconstructed.
West street.....	Across River street.....	Hyde Park.	12	79	390 57	68 00	3 84	462 41	6	Public, macadam.
Metropolitan avenue...	Across River street.....	Hyde Park.	12	41	219 22	38 28	3 55	261 05	6	Public, macadam.
Metropolitan avenue...	Across Hyde Park avenue.....	Hyde Park.	12	66	267 19	92 25	3 84	363 28	6	Public, macadam.
Hyde Park avenue.....	Between Collins and Westminster streets.	Hyde Park.	12	106	243 80	98 58	7 42	349 80	6	Public, macadam.
	Totals.....	.....	12	2,282	$7,087 21	$3,378 92	$325 04	$10,791 17		
Dorchester avenue.....	At West Fifth street.....	South Boston.	16	58	$249 15	$193 06	$20 25	$462 46	12	Public, granite block, gravel base.
Dorchester avenue.....	Between West Fifth and West Sixth streets.	South Boston.	16	408	1,417 05	442 36	34 50	1,893 91	12	Public, granite block, gravel base.
Dorchester avenue.....	Between West Sixth and West Seventh streets.	South Boston.	16	339	1,316 12	438 88	21 00	1,776 00	12	Public, granite block, gravel base.
Dorchester avenue.....	At Old Colony avenue.....	South Boston.	16	60	279 01	252 31	15 00	546 32	12	Public, granite block, gravel base.
River street.....	Between Huntington and Fairmount avenues.	Hyde Park.	16	2,697	11,264 87	3,635 93	240 74	15,141 54	8	Public, rock, macadam.
	Totals.....	.....	16	3,562	$14,526 20	$4,962 54	$331 49	$19,820 23		
South street.....	Between Arboretum road and entrance to Arnold Arboretum.	West Roxbury.	24	17	$62 17	$33 31	$2 68	$98 16	24	Public, macadam.

WATERWORKS STATISTICS — CITY OF BOSTON.

FOR THE FISCAL YEAR ENDING JANUARY 31, 1918.

CONSUMPTION.

Estimated population supplied		776,500
Total consumption for year 1917	29,956,718,000	gallons
Passed through meters for year 1917	15,798,693,000	gallons
Percentage of consumption metered		52.73
Daily average consumption for the year 1917	82,073,200	gallons
Gallons per day to each consumer	105	gallons

DISTRIBUTION.

Mains.

Kind of pipe: Cast iron, wrought iron.
Sizes: 2-inch to 48-inch.
Extended, miles: 6.7.
Sizes enlarged, miles: 3.03.
Total miles now in use: 870.62.
Public hydrants added: 91.
Public hydrants now in use: 9,619.
Stop gates added: 241.
Stop gates now in use: 12,755.
Stop gates smaller than 4 inches: 28.
Number of blow-offs: 650.
Range of pressure on mains: 30 to 90 pounds.

Services.

Kind of pipe and size: Lead and lead-lined, ½-inch to 2-inch; cast iron, 2½-inch to 12-inch; wrought iron and cement lined, ¾-inch to 2-inch.
Extended, feet: 15,443.
Total miles now in use: 586.77.
Service taps added: 645.
Total service taps now in use: 108,159.
Standpipes for street watering: 541.
Standpipes for street watering by electric cars: 12.
Meters added, new sets: 1,671.
Total meters now in use: 62,522.
Percentage of services metered: 57.81.
Motors and elevators in use: 608.
Number of fire pipes connected to the system: 1,522.
Yearly revenue from annual water rates: $421,259.32.
Yearly revenue from metered water: $2,451,608.57.
Percentage of total revenue (sales of water) from metered water: 85.33.

HIGH PRESSURE FIRE SERVICE.

FEBRUARY 1, 1918.

MR. E. F. MURPHY,
Commissioner of Public Works:

DEAR SIR,— I respectfully submit the following report of the operations of the High Pressure Fire Service for year ending January 31, 1918:

Pipe laying continued in Bromfield street, Merchants row, South Market street, Traverse street, Washington Street North, Commercial street, Blackstone street, North street, Richmond street and Hanover street. A total length of 4,387 linear feet of mains, principally 20-inch, were laid and twenty-one hydrants were established. With the exception of the first named streets, the mains laid were feeders from the pumping station proposed to be located in the North End. The laying contract comprised 7,100 linear feet of mains and was not finished due to delay in starting, labor shortage and early winter weather.

Testing of lines with joints exposed was successfully continued and on the feeder lines, wherever practicable, the hydrants were tied to the mains with two 1-inch rods, and where not practicable the 8-inch gates on hydrant branches were tied to the main in similar manner.

The existing pipe system comprises a total of about 7¼ miles of mains with 209 hydrants, all available for fire service either with direct hose lines or engine lines. The system has a 16-inch connection in Tremont street, near West street, with the domestic high service supply at about 90 pounds pressure. At the Sears street fire of December 27, a very cold morning, three high pressure hydrants were in active service and a fourth was connected to an engine ready for service. At the Bigelow-Dowse fire on January 8, one hydrant was in commission, from which a large capacity steamer was drawing water and a direct hose line from the hydrant with approximately 300 feet of hose was

delivering an efficient stream into the sixth floor of the building. Less conspicuous service was rendered at other fires during the year.

Studies were made for a 12,000-gallon station in the North End paving yard, with an equipment of six pumps operated exclusively by Boston Elevated Railway current, for which arrangements had been made with that company. A change in management, however, required that we should provide Edison Company stand-by equipments, which meant a more expensive layout. About this time the City Planning Board and the late Park and Recreation Commissioner, Mr. Peabody, recommended that consideration be given to a location in the parkway, under Copp's Hill Terrace, which would provide for the roof of the pumping station forming an extension of the existing elevated playground. Plans for equipment of a station comprising four Boston Elevated Railway current pumps of 2,000-gallon capacity each, and two Edison Electric and Illuminating Company current pumps of 2,500 gallons each, were prepared for this location and submitted to the Westinghouse Company with general specifications.

The Law Department finally decided that there might be legal objection to occupying this site, and the paving yard was again chosen for the site of a station with the same equipment in a different layout, and on January 29, 1917, the sum of $222,216 was tendered by the Westinghouse Company for the six-pump equipment complete and an alternative sum of $179,656 for the four direct current motor pumps with auxiliaries and piping.

Negotiations for electric current and power extended through quite a period and finally resulted in verbal agreement among the parties concerned to have the Boston Elevated Railway Company install the necessary ducts and cables from Lincoln Wharf power station, lease them to the city and the latter would then buy current direct from the Boston Elevated Railway Company. Independent ducts and cables would be installed by the Edison Electric and Illuminating Company from their Salem street substation, which would also be leased to the city.

Under the tentative proposal for power current from these two corporations, the cost per year per kilowatt of capacity of station will be very reasonable.

FINANCIAL STATEMENT FOR THE YEAR ENDING JANUARY 31, 1918.

Expended to January 31, 1917			$655,024 27
Expenditures during the year 1917–18:			
Salaries and wages:			
Engineers and assistants	$15,495 87		
Inspectors	3,206 32		
Mechanics	2,050 29		
Laborers	1,943 44		
Clerks	1,473 30		
Foremen	1,439 97		
Total pay roll		$25,609 19	
Construction of distribution system,		33,462 81	
Water pipes and castings		3,734 97	
Tools and repairs, hardware, etc.		767 31	
Paving, street repairs, etc.		736 59	
Traveling expenses		705 34	
Stationery		455 95	
Automobile:			
Tires, tubes, etc.	$78 22		
Gas, oils, etc.	101 01		
Repairs, supplies, etc.	219 56		
Registration and license,	3 00		
	$401 79		
Less repairs and supplies by Water Service:			
Gas, oils, etc. $7 06			
Repairs and supplies, etc., 60 35			
	67 41		
		334 38	
Lumber		230 61	
Teaming, freights, etc.		223 11	
Gravel and cracked stone		151 69	
Engineers' supplies		134 60	
Telephones		93 95	
Professional services		80 00	
Towels, furniture, etc.		53 68	
Printing		41 92	
Cement and sand		35 56	
Postage		26 66	
Advertising		15 90	
Oils		13 55	
Carried forward		$66,907 77	$655,024 27

Brought forward	$66,907 77	$655,024 27
Electric lighting	8 30	
Fuel	7 00	
Waterproof clothing	5 05	
Expenditure 1917–18		66,928 12
Total expenditures to January 31, 1918 . .		$721,952 39
Unexpended balance January 31, 1918 . . .		$138,047 61
Loan authorized but not issued		140,000 00
		$278,047 61

Respectfully submitted,

JOSEPH A. ROURKE,
Engineer in Charge.

APPENDIX E.

REPORT OF THE BOSTON AND CAMBRIDGE BRIDGE COMMISSION.

BOSTON, February 1, 1918.

To the Honorable the Mayor:

SIR,— As commissioner for the City of Boston I respectfully submit herewith the annual report of the Boston and Cambridge Bridge Commission for the year ending January 31, 1918.

This commission is composed of two members, one appointed by the Mayor of the City of Boston, and the other by the Mayor of the City of Cambridge, under provisions of chapter 467, Acts of 1898.

The commission has charge of the maintenance of the following-named bridges connecting Boston and Cambridge: Anderson, Brookline Street, Cambridge, Harvard, Prison Point, River Street and Western Avenue to Cambridge.

As there is no separate appropriation made for the City of Boston's portion of the expenses of this commission, same is taken from the appropriation for the Bridge and Ferry Division, Bridge Service. The amount expended during the fiscal year ending January 31, 1918, was $21,587.66.

Besides the usual necessary patching and small repairs required on these bridges during the year the following work was done:

RIVER STREET AND WESTERN AVENUE BRIDGES.

The sheathing of these bridges has been repaired from time to time during the past year, and some of the deck has been replaced by new material. The piers will need considerable attention during the coming year.

BROOKLINE AVENUE BRIDGE.

The sidewalk on this bridge has been repaired in several places, and will need further attention from time to time.

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HARVARD BRIDGE.

The roadway has required almost constant repairing on account of the bad condition of the under deck.

Arrangements are under way for a complete rebuilding of the roadway and sidewalks of the bridge, and this will probably be completed during the coming year.

The fences on the bridge are in poor condition and have been repaired in numerous places.

CAMBRIDGE BRIDGE.

The lamp-posts on this bridge have been a constant cause of trouble, many of them having been broken off by contact with passing teams.

The paving has been repaired in a few places and is now in good condition.

PRISON POINT BRIDGE.

The bridge has been practically rebuilt during the past year, new floor beams and new fences being put in. With the exception of the surface planking, no extensive repairs should be needed during the coming year.

Respectfully submitted,

E. F. MURPHY,
Commissioner for the City of Boston.

Expenditures for Year 1917–18.

(Being the Portion Paid by the City of Boston—Which is One Half—of the Total Expenditures.)

	Administration.	Anderson Bridge.	Cambridge Street-River Street Bridge.	Cambridge Bridge.	Essex Street-Brookline Street Bridge.	Harvard Bridge.	Prison Point Bridge.	Western Avenue Bridge to Cambridge.	Totals.
Salaries	$250 00	.....	$3,185 34	*$1,622 94	.....	$3,241 40	$3,273 02	.....	$11,572 70
Inspection	.....	.....	30 00	.....	$56 00	304 00	174 00	$94 00	658 00
Repairs	.....	.....	389 04	.....	146 18	1,528 40	2,045 55	313 40	4,422 57
Lumber	.....	.....	509 58	.....	87 13	498 73	174 02	243 92	1,513 38
Light	.....	$303 03	39 67	1,557 21	188 53	797 14	30 07	25 58	2,941 23
Fuel	.....	.....	15 38	.....	.....	13 55	20 66	.....	49 59
Supplies	.....	2 50	20 49	19 13	18 82	63 21	16 35	26 05	166 55
Removing sweepings	.....	.....	.....	.....	.....	136 31	.....	.....	136 31
Printing, postage and stationery	47 33	.....	.....	.....	.....	.....	.....	.....	47 33
Travel expense	80 00	.....	.....	.....	.....	.....	.....	.....	80 00
Totals	$377 33	$305 53	$4,189 50	$3,199 28	$496 66	$6,582 74	$5,733 67	$702 95	$21,587 66

* Includes expense of drawtenders' services at the Western Avenue Bridge.

Monthly Summary of Draw Openings, Boston and Cambridge Bridges, February 1, 1917, to January 31, 1918.

	Cambridge Street–River Street Bridge.			Harvard Bridge.			Prison Point Bridge.			Western Avenue Bridge to Cambridge.		
	Vessels.	Cargoes.	Openings.	Vessels.	Cargoes.	Openings.	Vessels.	Cargoes.	Openings.	Vessels.	Cargoes.	Openings.
1917.												
February							34	6	20			
March							54	9	28			
April				34	6	22	40	7	26			
May				54	10	32	36	6	24			
June	16		6	63	8	41	18	3	12	16		6
July	4		2	50	11	28	8	1	6	4		2
August				64	13	38	20	3	12			
September				62	11	40	35	7	19			
October				62	12	39	41	7	20			
November				41	7	26	50	9	28			
December				10	2	6	48	9	28			
1918.												
January												
Totals	20		8	440	80	272	384	67	223	20		8

Annual Summary of Draw Openings, February 1, 1917, to January 31, 1918.

BRIDGE.	TUGS.			BARGES.			ALL OTHERS.			TOTAL VESSELS.			Cargoes.	Openings.
	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.	Day.	Night.	Total.		
Cambridge Street-River Street	6	....	6	.....	....	.....	14	....	14	20	....	20	.....	8
Harvard	271	....	271	166	....	166	3	....	3	440	....	440	80	372
Prison Point	240	3	243	68	2	70	68	....	68	376	8	384	67	223
Western Avenue to Cambridge	6	....	.....	.....	....	.....	14	....	14	20	....	20	.....	8
Totals	523	3	520	234	2	236	99	....	99	856	8	864	147	611

DOCUMENT NUMBERS OF ANNUAL REPORTS OF THE PUBLIC WORKS DEPARTMENT.

NAME OF DOCUMENT.	For Year.	Pub. Year.	No. of Doc.
Annual report	1911	1912	29
Annual report	1912	1913	29
Annual report	1913	1914	26
Annual report	1914	1915	26
Annual report	1915	1916	26
Annual report	1916	1917	26
Annual report	1917	1918	26